Drinking Water Surveillance Program

WALLACEBURG WATER TREATMENT PLANT

Annual Report 1989





WALLACEBURG WATER TREATMENT PLANT

DRINKING WATER SURVEILLANCE PROGRAM

ANNUAL REPORT 1989

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March 1991



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PIBS 1367



EXECUTIVE SUMMARY

DRINKING WATER SURVEILLANCE PROGRAM

WALLACEBURG WATER TREATMENT PLANT 1989 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The Wallaceburg Water Treatment Plant is a conventional treatment plant that treats water from the St. Clair River via the Chenal Ecarte. The treatment process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. This plant has a design capacity of 13.5 x 1000 $\rm m^3/day$ and serves a population of 12,300.

Water samples from the raw, treated and two distribution sites were analyzed for the presence of approximately 180 parameters, 13 times during 1989. Parameters were divided into the following groups: Bacteriological, Inorganic and Physical (Laboratory Chemistry, Field Chemistry and Metals) and Organics (Chloroaromatics, Chlorophenols, Pesticides and PCB, Phenolics, Polyaromatic Hydrocarbons, Specific Pesticides and Volatiles). Specific Pesticides and Chlorophenols were analyzed in June and November only.

A summary of results is shown in Table A.

Inorganic and Physical parameters (Laboratory Chemistry, Field Chemistry and Metals) were below any applicable health related guidelines.

Samples were analyzed monthly for the presence of approximately 110 Organics. Levels did not exceed health related guidelines.

During 1989, the DWSP sampling results indicated that the Wallaceburg Water Treatment Plant produced good quality water at the plant and this quality was maintained in the distribution system.

TABLE A

DRIHKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP

SUMMARY TABLE BY SCAN

SCAN	TESTS	RAU POSITIVE XP	OSITIVE	TRI TESTS	RAW SITE 2 TESTS POSITIVE XPOSITIVE TESTS POSITIVE XPOSITIVE TESTS POSITIVE XPOSITIVE POSITIVE XPOSITIVE TESTS POSITIVE XPOSITIVE XPOSIT	ITIVE	SI TESTS	SITE 1 S POSITIVE XPO	SITIVE	S TESTS	SITE 2 S POSITIVE XPOS	SITIVE
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8												
BACTER I OLOGICAL	35	31	8	8	4	Ξ	33	-	n	33	n	٥
CHEMISTRY (FLD)	3	36	28	22	82	100	7	143	8	132	129	26
CHEMISTRY (LAB)	27.5	212	77	263	182	\$	428	369	8	38	327	81
METALS	312	211	55	289	127	53	300	882	53	516	260	20
CHLOROAROMATICS	181	0	0	181	0	0	89	0	0	154	0	0
CHLOROPHENOLS	12	0	0	12	0	0	٠		٠	٠	•	
РАН	204	0	0	204	0	0	٠	٠	٠	٠	٠	٠
PESTICIDES & PCB	442	0	0	442	0	0	343	0	0	309	0	0
PHENOLICS	1	9	54	13	n	23	٠	٠	٠	٠		
SPECIFIC PESTICIDES	54	0	0	8	0	0	12	0	0	Ξ	0	0
VOLATILES	378	2	0	377	52	13	319	77	13	319	45	14
	1947	199	1	1961	977		2011	856		1873	764	

NO KNOWN HEALTH RELATED GUIDELINES WERE EXCEEDED

A POSITIVE VALUE DEMOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE A POSITIVE VALUE DEMOTES THAT HO SAMPLE WAS TAKEN

TOTAL

DRINKING WATER SURVEILLANCE PROGRAM

WALLACEBURG WATER TREATMENT PLANT 1989 ANNUAL REPORT

INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The DWSP was initiated at the Wallaceburg Water Treatment Plant in May 1986. Annual reports were published for 1986 (ISBN 0-7729-2567-4), 1987 and 1988 (ISSN 0839-9018). Other historical Wallaceburg Water Treatment Plant data is available in the "Drinking Water Survey St. Clair - Detroit River Area" published by the Ministry of the Environment in 1986.

This report contains information and results for 1989.

In order to accommodate the increased number of plants on the DWSP and to facilitate the timely completion of the 1989 annual reports, plants with two or more years of published data will receive an abbreviated annual report. This report maintains the same general format as in previous years but does not include a

comprehensive discussion of the results. For more detail on the parameters analyzed and discussion of the results, consult the 1987 and 1988 reports.

PLANT DESCRIPTION

The Wallaceburg Water Treatment Plant is a conventional treatment plant that treats water from the St. Clair River via the Chenal Ecarte. The process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. Sodium Chlorite and chlorine are used to generate chlorine dioxide for the post-chlorination process. Powdered activated carbon adsorption is added for taste and odour control. This plant has a design capacity of 13.5 x 1000 m³/day and flows on day of sampling ranging from 9 x 1000 m³/day to 11 x 1000 m³/day. It serves a population of 12,300. The plant also provides water for a major cannery.

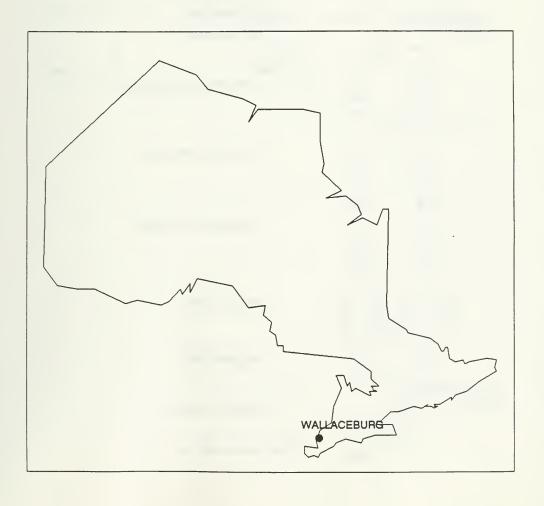
The plant location is shown in Figure 1. Plant Process details, in a block schematic, are shown in Figure 2. General plant information is presented in Table 2.

SAMPLING AND ANALYSIS

Plant operating personnel perform analyses on parameters for process control (Table 1).

FIGURE 1

DRINKING WATER SURVEILLANCE PROGRAM SITE LOCATION MAP WALLACEBURG WATER TREATMENT PLANT



WALLACEBURG WTP

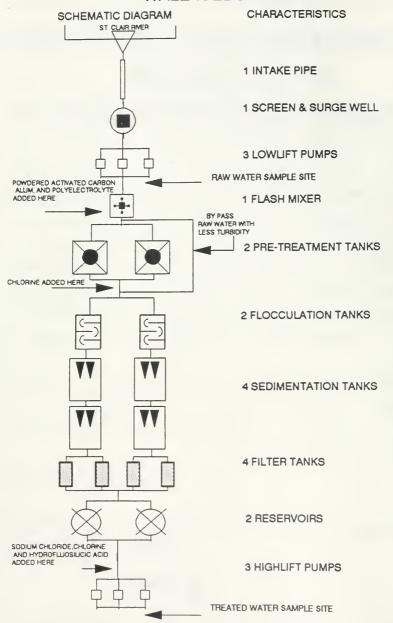


TABLE 1

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

IN-PLANT MONITORING WALLACEBURG WTP 1989

PARAMETER	LOCATION	FREQUENCY
Chlorine Residual	Treated	continuous
Turbidity	Raw Treated	4 hours continuous
Temperature	Raw	daily

TABLE 2

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT GENERAL INFORMATION

WALLACEBURG WATER SUPPLY SYSTEM

LOCATION: 152 DUNCAN STREET

WALLACEBURG, ONTARIO

N8A 4E2

(519-627-2277)

SOURCE: RAW WATER SOURCE - ST CLAIR RIVER

VIA THE CHENAL ECARTE

DESIGN CAPACITY: 13.5 (1000 M³/DAY)

OPERATION: MUNICIPALITY

GENERAL MANAGER: L. DENYS

MINISTRY REGION: SOUTHWESTERN

DISTRICT OFFICER: O. WIGLE

MUNICIPALITY POPULATION SERVED

WALLACEBURG 12,300

Water at the Wallaceburg Water Treatment plant and two sites in the distribution system was sampled for the presence of approximately 180 parameters, 13 times in 1989. Samples were analyzed for Specific Pesticides and Chlorophenols in June and November only. Only the raw and treated water at the plant were analyzed for Polyaromatic Hydrocarbons and Phenolics. As of August 1989, the analysis of Triazine pesticides was dropped from the distribution sample. Laboratory analysis was conducted at the Ministry of the Environment facilities in Rexdale, Ontario.

RESULTS

Field Chemistry measurements were recorded on the day of sampling and were entered on the DWSP database as submitted by plant personnel.

Table 3 contains information on the sample day retention time, flow rate and treatment chemicals used and their associated dosages.

Table 4 is a summary break-down of the number of water samples analyzed by parameter and by water type. The number of times that a positive or trace result was detected is also reported. Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment (MOE) laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be

confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analyzed on DWSP.

Associated guidelines and detection limits are also supplied on tables 5 and 6. Parameters are listed alphabetically within each scan.

DISCUSSION

General

Water quality is judged by comparison with the Ontario Drinking Water Objectives (ODWOS) as defined in the 1984 publication (ISBN 0-7743-8985-0). The Province of Ontario has health related and aesthetic objectives for 49 parameters. These are currently under review. When an ODWO is not available, guidelines/limits from other agencies are consulted. The Parameters Listing System (PALIS), recently published (ISBN 0-7729-4461-X) by the MOE, catalogues and keeps current over 1750 guidelines for 650 parameters from agencies throughout the world.

Many of the compounds detected are naturally occurring or are treatment by-products.

IN THIS REPORT, DISCUSSION IS LIMITED TO THE TREATED AND DISTRIBUTED WATER AND ADDRESSES ONLY THOSE PARAMETERS WITH CONCENTRATIONS ABOVE GUIDELINE VALUES AND ORGANIC PARAMETERS WITH POSITIVE RESULTS.

Results for the treated and distributed water indicate that no health related guideline was exceeded in 1989.

Inorganic and Physical Parameters

Ammonia

Total Ammonium levels were high in one distribution system sample. While the European Economic Community has an aesthetic guideline of .05 mg/L, the Maximum Admissible Concentration is .50 mg/L and is set as a result of the concern for potential sewage pollution and its detection.

Fluoride

The laboratory results indicate that fluoride was below the ODWO recommended range of 1.0-1.4 mg/L in ten treated and distributed samples. The Fluoride feed system was shut down in May.

Hardness

The ODWOs indicate that a hardness level of between 80 and 100 mg/L, as calcium carbonate for domestic waters, provides an acceptable balance between corrosion and encrustation. Water supplies with a hardness greater than 200 mg/L are considered poor

and would possess a tendency to form scale deposits and result in excessive soap consumption.

Organic Parameters

Toluene

Toluene was detected positive in April in one distribution water sample. The result of 0.5 μ g/L did not exceed the aesthetic guideline for Toluene of 24 μ g/L set by Health and Welfare Canada.

Trihalomethanes

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will always occur in chlorinated surface waters. THMs are comprised of Chloroform, Chlorodibromomethane and Dichlorobromomethane. Bromoform occurs occasionally at trace levels. Results are reported for both the individual compounds and the total THMs. All Total THM occurrences in the treated and distributed samples, ranging from 13.8 μ g/L to 45.6 μ g/L, were well below the ODWO of 350 μ g/L.

CONCLUSIONS

Results listed in this report for 1989 are consistent with results reported for previous years.

No health related water quality guidelines were exceeded.

The treated water was of good quality and this was maintained in the distribution system.

TABLE 3

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP SAMPLE DAY CONDITIONS FOR 1989

	SAMPLE DA	SAMPLE DAY CONDITIONS	s.	<u>«</u>	TREATMENT CHEMICAL DOSAGES (MG/L)			
			PRE-CHLORIMATION	COAGULATION	TASTE & ODOUR	POST-CHLORINATION		FLUORIDATION
			CHLORIME	ALUM LIQUID	ACTIVATED CARBON POWDER	CHLORINE	SODIUM CHLORITE	HYDROFLUOSILICIC ACI
DATE	DELAY* TIME(HRS)	FLOW (1000M3)						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 1 1 1	!	0	1.03	1.00	5.00	•	.38	1,35
50 15	13.0	0 6	1.02	1.00	5.00	•	.38	1.35
C 933	2		1.10	15.00	.50		.30	1.20
FFR 25	16.9	8.2	1,10	15.00	.50		.30	1.20
MAP 15	13.0	0.6	1.02	1.00	5.00		.38	1.35
APR 12	24.0		1.02	1.00	5.00		.38	1.35
MAY 10		9.0	1.02	15.00	2.00		.38	1.00
JUN 14		0.6	1.06	1.00	2.00	.38	• 1	1.00
JUL 12		0.6	1.01	1.00	2.00		8 .	1.00
AUG 16		0.6	1.01	15.00			12, 1	1.20
SEP 13		0.6	1.01	15.00	2.00		19. i	1.20
OCT 12		0.6	1.01	15.00	5.00	•	27.	1.20
NOV 15		0.6	1.10	15.00	5.00	.38	•	1.20
DEC 13		0.6	1.05	15.00	5.00		. N	1.20

* THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

			RAN		T.	TREATED		S	SITE 1		SI	SITE 2	
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE		TOTAL POSITIVE TRACE	TRACE	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL P	TOTAL POSITIVE TRACE	TRACE
BACTERIOLOGICAL	FECAL COLIFORM MF	12	٥	0							0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
	STANDRD PLATE CNT MF	٠	•	٠	12	2	0	=	-	0	Ξ	m	0
	TOTAL COLIFORM MF	12	10		12	-	0	=	0	0	Ξ	0	0
	T COLIFORM BCKGRD MF	12	12	0	12	-	0	Ξ	0	0	=	0	0
*TOTAL SCAN BACTERIOLOGICAL	TOLOGICAL	8	31	0	25	4	0	33	-	0	33	m	0
*TOTAL GROUP BACTERIOLOGICAL	RIOLOGICAL	፠	31	0	×	4	0	33	-	0	33	m	0
CHEMISTRY (FLO)	CHEMISTRY (FLO) FLD CHLORINE (COMB)	2	0	0	13	13	0	72	23	0	22	21	
	FLD CHLORINE FREE	2	0	0	13	13	0	54	54	0	22	21	0
	FLD CHLORINE (TOTAL)	2	0	0	13	13	0	54	54	0	22	21	0
	FLO PH	13	13	0	13	13	0	54	54	0	22	22	0
	FLD TEMPERATURE	12	12	0	13	13	0	54	54		22	22	0
	FLD TURBIDITY	13	13	0	13	13	0	72	54	0	22	22	0
*TOTAL SCAN CHEMISTRY (FLD)	TRY (FLD)	77	38	0	78	28	0	144	143	0	132	129	0
CHEMISTRY (LAB)	ALKALINITY	13	13	0	13	13	0	77	77	٥	22	22	0
	CALCIUM	13	13	0	13	13	0	54	5%	0	22	22	0
	CYANIDE	13	0	0	13	0	0	12	0	0	=	0	0
	CHLORIDE	13	13	0	13	13	0	54	5%		22	22	0
	COLOUR	13	0	13	13	0	80	54	14	_	22	5	17
	CONDUCTIVITY	13	13	0	-	11	_	70	70	-	22	22	•

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE		TREATED TOTAL POSITIVE TRACE	RACE	S TOTAL	SITE 1 TOTAL POSITIVE TRACE		SITE 2 TOTAL POSITIVE TRACE	I VE T	RACE
CHEMISTRY (LAB)	FLUORIDE	13	=	0	13	13	٥	24	54	٥	22	- 22	٥
	HARDNESS	13	13	0	13	13	0	58	57	0	22	22	0
	TOWCAL	13	13	0	13	13	0	56	54	0	22	22	0
	LANGELIERS INDEX	13	13	0	m	m	0	60	60	0	14	14	0
	MAGNESIUM	13	13	0	13	13	0	57	57	0	22	22	0
	MUI 002	13	13	0	13	13	0	57	57	0	22	22	0
	AMMONTUM TOTAL	13	7	9	13	m	-	54	12	7	22	7	7
	NITRITE	13	2	60	13	-	7	54	2	20	22	2	5
	TOTAL NITRATES	13	13	0	13	13	0	54	57	0	22	22	0
	NITROGEN TOT KJELD	13	13	0	13	7	9	57	21	M	22	15	7
	H.d.	13	13	0	13	13	0	57	54	0	22	22	0
	PHOSPHORUS FIL REACT	13	2	60	13	0	7	٠		•		•	•
	PHOSPHORUS TOTAL	13	2	60	13	0	50	٠		٠		•	٠
	SULPHATE	13	13	0	13	13	0	54	57	0	22	22	0
	TURBIDITY	13	13	0	13	12	-	57	54	0	22	20	2
*TOTAL SCAN CHEMISTRY (LAB)	(LAB)	273	212	27	263	182	&	827	369	07	380	327	87
METALS	SILVER	13	0	7	12	-	~	72	0	12	22	0	2
	ALUMINUM	13	13	0	12	12	0	54	57	0	22	22	0
	ARSENIC	13	2	80	12	М	٥	54	-	23	22	0	22
	BARTUM	13	13	0	12	12	0	54	54	0	22	25	0
	BORON	13	=	2	12	60	7	54	19	5	22	17	5
	BERYLLIUM	13	0	٥	12	0	7	54	0	Ξ	22	0	14

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TREATED TOTAL POSITIVE TRACE	ED ITIVE T		SITE 1 TOTAL POSITIVE TRACE	E 1 SITIVE T	RACE	SITE 2 TOTAL POSITIVE TRACE	Z TIVE T	RACE
METALS	CADMIUM	13	0	5	12	0 1	-	7,7	٥	^	22	0	0 3
	COBALT	13	-	12	12	0	12	5%	0	22	22	0	21
	CHROMIUM	13	=	0	12	60	2	57	19	-	22	15	m
	COPPER	13	12	-	12	٥	М	57	23	-	22	12	-
	IRON	13	•	2	12	0	Ξ	5%	20	7	22	10	12
	MERCURY	13	0	10	13	0	7	12	0	10	10	0	M
	MANGANESE	13	13	0	12	М	6	57	57	0	22	22	0
	MOLYBDENUM	13	10	m	12	10	2	57	17	7	22	14	60
	NICKEL	13	0	13	12	0	12	54	4	20	22	-	18
	LEAD	13	12	-	12	9	2	57	18	9	22	18	4
	ANTIMONY	13	13	0	12	Ξ	-	57	23	-	22	12	-
	SELENIUM	13	0	7	12	0	٥	54	0	19	22	-	7
	STRONTIUM	13	13	0	12	12	0	57	54	0	22	22	0
	TITANIUM	13	12	-	12	Ξ	-	57	22	2	22	20	2
	THALLIUM	13	0	4	12	0	2	57	0	~	22	0	9
	URANIUM	13	12	-	12	0	12	54	0	54	22	7	17
	VANADIUM	13	0	13	12	10	2	54	14	9	22	0-	13
	ZINC	13	13	0	12	Ξ	-	54	23	-	22	12	-
*TOTAL SCAN METALS		312	172	8	289	127	119	20%	88	193	516	260	173
*TOTAL GROUP INORGANIC & PHYSICAL	INIC & PHYSICAL	629	422	142	630	387	148	1136	118	233	1047	716	221
CHLOROAROMATICS	HEXACHLOROBUTADIENE	13	0	-	13	0	0	12	0	0	=	0	0

0 0

Ξ

0 0

12

0 0

13

0 0

13

123 TRICHLOROBENZENE

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE											
			RAU			60		S	SITE 1			SITE 2	
SCAM	PAKARE LEK	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	TIVE	RACE	TOTAL	POSITIVE	TRACE	TOTAL POSITIVE TRACE	OSITIVE	TRACE
CHLOROAROMATICS	NZENE	13	0	0	13	0	0	12	0	٥	-	۰	٥
	1235 T-CHLOROBENZENE	13	0	0	13	0	0	12	0	0	=	0	0
	124 TRICHLOROBENZENE	13	0	0	13	0	0	12	0	0	=	0	0
	1245 T-CHLOROBENZENE	13	0	0	13	0	0	12	0	0	=	0	0
	135 TRICHLOROBENZENE	13	0	0	13	0	0	12	0	0	=	0	0
	HCB	13	0	0	13	0	0	12	0	0	=	0	
	HEXACHLOROETHANE	12	0	0	12	0	0	12	0	0	=	0	0
	OCTACHLOROSTYRENE	13	0	0	13	0	0	12	0	0	Ξ	0	0
	PENTACHLOROBENZENE	13	0	0	13	0	0	12	0	0	=	0	0
	236 TRICHLOROTOLUENE	13	0	0	13	0	0	12	0	0	Ξ	0	0
	245 TRICHLOROTOLUENE	13	0	0	13	0	0	12	0	0	=	0	0
	26A TRICHLOROTOLUENE	13	0	0	13	0	0	12	0	0	1	0	0
*TOTAL SCAN CHLOROAROMATICS	DAROMATICS	181	0	-	181	0	0	168	0	0	154	0	0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												
CHLOROPHENOLS	234 TRICHLOROPHENOL	2	0	0	2	0	0						
	2345 T-CHLOROPHENOL	2	0	0	2	0	0	•	٠	•		٠	•
	2356 T-CHLOROPHENOL	2	0	0	2	0	0	٠	٠	٠		٠	•
	245-TRICHLOROPHENOL	2	0	0	2	0	0		•			٠	٠
	246-TRICHLOROPHENOL	2	0	0	2	0	0		•			•	•
	PENTACHLOROPHENOL	2	0	0	2	0	0		٠	•		٠	٠
			•	•		•	•	•	•	•			
FIDIAL SCAN CHLOROPHENOLS	JPHE MOLS	12	0	0	12	0	0	0	0	0	0	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE	RAW		TRE	TREATED		S	SITE 1		SITE 2		
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL P	OSITIVE	TRACE	TOTAL	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	CE	TOTAL POSITIVE TRACE	E TR	S .
РАН	PHENANTHRENE	12	0	0	12	0	0	,					
	ANTHRACENE	Ξ	0	0	Ξ	0	0	٠					
	FLUORANTHENE	12	0	0	12	0	0	٠					•
	PYRENE	12	0	0	12	0	0	٠					٠
	BENZO(A)ANTHRACENE	13	0	0	13	0	0	٠					
	CHRYSENE	13	0	0	13	0	0	٠					٠
	DIMETH. BENZ(A)ANTHR	60	0	0	80	0	0						٠
	BENZO(E) PYRENE	13	0	0	13	0	0	٠			٠.		٠
	BENZO(B) FLUORANTHEN	13	0	0	13	0	0						•
	PERYLENE	13	0	0	13	0	0	٠					٠
	BENZO(K) FLUORANTHEN	13	0	0	13	0	0	٠					
	BENZO(A) PYRENE	7	0	0	7	0	0	٠					٠
	BENZO(G,H,I) PERYLEN	13	0	0	13	0	0	٠					٠
	DIBENZO(A, H) ANTHRAC	13	0	0	13	0	0	٠					٠
	INDENO(1,2,3-C,0) PY	12	0	0	12	0	0	•					٠
	BENZO(B) CHRYSENE	13	0	0	13	0	0	٠					•
	CORONENE	13	0	0	13	0	0	٠	•				٠
*TOTAL SCAN PAH		204	0	0	20%	0	0	0	0	0	0	0	0
PESTICIDES & PCB	ALDRIN	13	0	0	ī.	0	0	12	0	0	11	0	۰
	ALPHA BHC	13	0	0	13	0	2	12	0	0	=	0	m
	BETA BHC	13	0	0	13	0	0	12	0	0	1	0	0
	LINDANE	13	0	-	13	0	0	12	0	0	Ξ	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

PESTICIDES & PCB

SCAN

	SITE	240		F	TDEATER		·	C17E 1			CITE 2	
PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE									
ALPHA CHLORDANE	13	0	0	13	0	0	12	0	0	Ξ	0	0
GAMMA CHLORDANE	13	0	0	13	0	0	12	0	0	=	0	0
DIELDRIN	13	0	0	13	0	0	12	0	0	:	0	0
METHOXYCHLOR	13	0	0	13	0	0	12	0	0	=	0	0
ENDOSULFAN 1	13	0	0	13	0	0	12	0	0	=	0	0
ENDOSULFAN 11	13	0	0	13	0	0	12	0	0	=	0	0
ENDRIN	13	0	0	13	0	0	12	0	0	Ξ	0	0
ENDOSULFAN SULPHATE	13	0	0	13	0	0	12	0	0	Ξ	0	0
HEPTACHLOR EPOXIDE	13	0	0	13	0	0	12	0	0	=	0	0
HEPTACHLOR	13	0	0	13	0	0	12	0	0	Ξ	0	0
MIREX	13	0	0	13	0	0	12	0	0	Ξ	0	0
OXYCHLORDANE	13	0	0	13	0	0	12	0	0	Ξ	0	0
OPDDT	13	0	0	13	0	0	12	0	0	Ξ	0	0
PCB	13	0	0	13	0	0	12	0	0	=	0	0
000	13	0	0	13	0	0	12	0	0	Ξ	0	0
PPDOE	13	0	0	13	0	0	12	0	0	Ξ	0	0
PPDOT	13	0	0	13	0	0	12	0	0	=	0	0
AMETRINE	13	0	0	13	0	0	7	0	0	•	•	0
ATRAZINE	13	0	2	13	0	0	7	0	0	•	•	0
ATRATOME	13	0	0	13	0	0	7	0	0	•	0	0
CYANAZINE (BLADEX)	13	0	0	13	0	0	7	0	0	•	0	0
D-ETHYL ATRAZINE	13	0	0	13	0	0	7	0	0	•	0	0
D-ETHYL SIMAZINE	13	0	0	13	0	0	7	0	0	•	0	0
PROMETONE	13	0	0	13	0	0	7	0	0	•	0	0
PROPAZINE	13	0	0	13	0	0	_	0	0	•	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989

5	5	
7	3	
-		
X		

SCAN	PARAMETER	TOTAL	RAU TAL POSITIVE TI	RACE	TREATED TOTAL POSIT	IVE TR	VACE	SITE 1 FOTAL POSIT	I IIVE TI	RACE	RMM TREATED SITE 1 TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	E TRA	ä
PESTICIOES & PCB	PROMETRYNE	13	0	0	13	0	0	7	0	0	9		-
	METRIBUZIN (SENCOR)	13	0	0	13	0	0	7	0	0	•		
	SIMAZINE	5	0	0	13	0	0	7	0	0			-
	ALACHLOR (LASSO)	13	0	0	13	0	0	7	0	0			
	METOLACHLOR	13	0	0	13	0	0	7	0	0		. 0	0
*TOTAL SCAN PESTICIDES & PCB	S & PCB	777	0	12	745	0	2	343	0	0	309		m
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
PHENOLICS	PHENOLICS 11	=	9	m	3 13	m	7				1		
"TOTAL SCAN PHENOLICS		Ξ	9	m	13	m	7	0	0	0	0	0	0
SPECIFIC PESTICIDES	TOXAPHENE	13	0	0	13	0	0	12	0	•	1		۰
	2,4,5-T	2	0	0	2	0	0				: '		•
	2,4-0	2	0	0	2	0	0						
	2,4-08	2	0	0	2	0	0						
	2,4 D PROPIONIC ACID	2	0	0	2	0	0						
	DICAMBA	2	0	0	2	0	0						
	PICHLORAM	0	0	0	0	0	0						
	SILVEX	2	0	0	2	0	0	•					
	DIAZINON	-	0	0	2	0	0						
	DICHLOROVOS	-	0	0	2	0	0						
	CHLORPYRIFOS	-	0	0	2	0	0	,			•		

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TOTAL P	TREATED IL POSITIVE	TRACE	TOTAL	TREATED SITE 1 TOTAL POSITIVE TRACE	TRACE		SITE 2 TOTAL POSITIVE TRACE	TRACE
SPECIFIC PESTICIDES	ETHION	-	0	0	2	0	0						
	AZINPHOS-METHYL	0	0	0	0	0	0	•				•	•
	MALATHION	-	0	0	2	0	0	•	•	•	٠	•	
	MEVINPHOS	_	0	0	2	0	0	٠	•	•	•	•	•
	METHYL PARATHION	-	0	0	2	0	0	٠	•	•	٠	٠	٠
	METHYLTRITHION	-	0	0	2	0	0	٠	•	•	٠	•	•
	PARATHION	-	0	0	2	0	0	٠	•	•	•	٠	•
	PHORATE	-	0	0	2	0	0	٠	٠	•	•	•	٠
	RELDAN	-	0	0	2	0	0	•	٠	•	٠	٠	٠
	ROWNEL	-	0	0	2	0	0	٠	٠	٠	٠	•	•
	AMINOCARB	0	0	0	0	0	0	٠	٠	•	•	•	٠
	BENONYL	-	0	0	-	0	0	٠	٠		٠	•	•
	BUX	0	0	0	0	0	0	•	٠	•	٠	•	٠
	CARBOFURAN	2	0	0	2	0	0	٠	•	•	٠	٠	٠
	CICP	2	0	0	2	0	0	٠	٠		•	•	٠
	DIALLATE	2	0	0	2	0	0	٠	٠		٠	٠	٠
	EPTAM	2	0	0	2	0	0	٠	٠	٠	٠	٠	٠
	IPC	2	0	0	7	0	0	٠	٠	٠	٠	•	٠
	PROPOXUR	2	0	0	2	0	0	٠	٠	•	٠	٠	٠
	CARBARYL	2	0	0	2	0	0	٠	٠		٠	٠	٠
	BUTYLATE	2	0	0	2	0	0	٠	٠	٠	٠		•
*TOTAL SCAN SPECIFIC PESTICIDES	PESTICIDES	24	0	0	8	0	0	12	0	0	=	0	0
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									9	;		
VOLATILES	BENZENE	14	-	0-	13	0	60	=	0	9	Ξ	0	5

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

		SITE											
			RAM		TREATED	EO		SIT	SITE 1		SITE 2		
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE	ITIVE TR		TOTAL PC	TOTAL POSITIVE TRACE	SACE	TOTAL POSITIVE TRACE	ÆTR	ACE
VOLATILES	TOLUENE	13	-	4	13	0	۰	Ξ	0	9	=	-	4
	ETHYLBENZENE	13	0	5	13	0	2	Ξ	0	M	Ξ	0	m
	P-XYLENE	13	0	0	13	0	0	Ξ	0	0	Ξ	0	0
	M-XYLENE	13	0	m	13	0	-	=	0	-	=	0	-
	O-XYLENE	13	0	m	13	0	2	Ξ	0	-	=	0	-
	STYRENE	13	0	9	13	0	m	=	0	9	=	0	2
	1,1 DICHLOROETHYLENE	13	0	0	13	0	0	=	0	0	=	0	0
	METHYLENE CHLORIDE	13	0	0	13	0	0	=	0	0	=	0	0
	T1, 201CHLOROETHYLENE	13	•	0	13	0	0	=	0	0	Ξ	0	0
	1,1 DICHLOROETHANE	13	0	0	13	0	0	Ξ	0	0	=	0	0
	CHLOROFORM	13	0	9	13	13	0	Ξ	Ξ	0	=	=	0
	111, TRICHLOROETHANE	13	0	2	13	0	-	=	0	-	=	0	-
	1,2 DICHLOROETHANE	13	0	0	13	0	0	Ξ	0	0	1	0	0
	CARBON TETRACHLORIDE	13	0	0	13	0	-	Ξ	0	-	=======================================	0	0
	1,2 DICHLOROPROPANE	13	0	-	13	0	0	=	0	0	=	0	0
	TRICHLOROETHYLENE	13	0	0	13	0	0	Ξ	0	0	=	0	0
	DICHLOROBROMOMETHANE	13	0	-	13	13	0	Ξ	=	0	=	=	0
	112 TRICHLOROETHANE	13	0	0	13	0	0	Ξ	0	0	=	0	0
	CHLOROD I BROMOMETHANE	13	0	0	13	13	0	Ξ	=	0	=	Ξ	0
	T-CHLOROETHYLENE	13	0	-	13	0	-	Ξ	0	2	11	0	2
	BROMOFORM	13	0	0	13	0	13	Ξ	0	Ξ	=	0	Ξ

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CHLOROBENZENE
1,4 DICHLOROBENZENE
1,3 DICHLOROBENZENE 1122 T-CHLORDETHANE

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG

SUMMARY TABLE OF RESULTS (1989)

1,2 01 ETHLYE	DADAMETER	TOTAL	RAW	TRACE	TOTAL	TREATED	TRACE	S	SITE 1	TRACE	SITE 2 SITE 2 TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	E 2 SITIVE 1	IRACE
1,2 DI	E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												
ETHLYE	1,2 DICHLOROBENZENE	13	0	0	13	0	0	Ξ	0	0	Ξ	0	0
	ETHLYENE DIBROMIDE	13	0	0	13	0	0	=	0	0	=	0	0
TOTL TI	TOTL TRIMALOMETHANES	13	0	-	13	13	0	=	Ξ	0	Ξ	Ξ	0
*TOTAL SCAN VOLATILES		378	2	42	377	52	38	319	77	38	319	45	33
*TOTAL GROUP ORGANIC		1282	60	28	1295	22	1.7	842	77	338	793	45	38
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1			0							
		1947	197	200	1961	977	195	2011	856	271	1873	76	257

KEY TO TABLE 5 and 6

- A ONTARIO DRINKING WATER OBJECTIVES (ODWO)
 - 1. Maximum Acceptable Concentration (MAC)
 - 1+. MAC for Total Trihalomethanes
 - 1*. MAC for Bacteriological Analyses

Poor water quality is indicated when:

- total coliform counts > 0 < 5
- P/A Bottle Test is present after 48 hours
- Aeromonas organisms are detected in more than 25% of samples in a single submission or in successive submissions from the same sampling site
- Pseudomonas Aeruginosa, Staphylococcus Aureus and members of the Fecal Streptococcus group should not be detected in any sample
- Standard Plate Count should not exceed 500 organisms per ml at 35 °C within 48 hours
- 2. Interim Maximum Acceptable Concentration (IMAC)
- 3. Maximum Desirable Concentration (MDC)
- 4. Aesthetic or Recommended Operational Guideline
 - hardness levels between 80 and 100 mg/L as calcium carbonate are considered to provide an acceptable balance between corrosion and incrustation, water supplies with a hardness >200 mg/L are considered poor and those in excess of 500 mg/L are unacceptable.
- B HEALTH & WELFARE CANADA (H&W)
 - Maximum Acceptable Concentration (MAC)
 - 2. Proposed MAC
 - 3. Interim MAC
 - 4. Aesthetic Objective (AO) (for xylenes, a total)
- C WORLD HEALTH ORGANIZATION (WHO)
 - 1. Guideline Value (GV)
 - 2. Tentative GV
 - Aesthetic GV
- D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
 - Maximum Contaminant Level (MCL)
 - Suggested No-Adverse Effect Level (SNAEL)
 - 3. Lifetime Health Advisory
 - 4. EPA Ambient Water Quality Criteria
 - Maximum Contaminant Level Goal (MCLG)
- F EUROPEAN ECONOMIC COMMUNITY (EEC)
 - 1. Health Related Guideline Level
 - 2. Aesthetic Guideline Level
 - Maximum Admissable Concentration (MADC)
- G CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE
- H USSR MAXIMUM PERMISSIBLE CONCENTRATION
- I NEW YORK STATE AMBIENT WATER GUIDELINE
- N/A NONE AVAILABLE

INTERPRETATION OF DATA

The interpretation of analytical results that are obtained from measurements near the limit of detection of the measurement process is subject to greater uncertainty than those at higher concentrations. The principle areas of concern relate to whether the substance has actually been detected, whether it has been properly identified, and whether it is an artifact of the measurement process. In other words, false positives can be caused by the instrumentation or the test procedures used, when in fact these compounds are not present in the sample.

There are several methods to treat data from such measurements:

1. Exclude the low-level data because of this uncertainty factor.

Studies of long-term environmental trends and modelling may however, be adversely affected by the exclusion of such data.

2. Qualify these data so the user is aware of the greater uncertainty associated with their use.

For the Drinking Water Surveillance Program, measurements near the limit of detection of the measurement process are reported with the code "<T". Results qualified by "W" indicate a zero measurement. These results are reported for purposes of modelling and long-term trend analysis and no significance should be attributed to a single determination of a substance below "T" (a single determination may well be a false positive). Repeat analysis or additional data are needed before it can be stated with certainty that the substance in question was truly present. On the other hand, it is less likely that repeated detection of a substance at or near the limit of detection at a specific location is solely due to an artifact in the measurement system, and more likely represents a true positive. The average of such data however, is still only an estimate of the amount of substance present subject to the possible biases of the method used.

LABORATORY RESULTS, REMARK DESCRIPTIONS

•	No Sample Taken
BDL	Below Minimum Measurable Amount
T>	Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)
>	Results Are Greater Than The Upper Limit
<=>	Approximate Result
!cs	No Data: Contamination Suspected
!IL	No Data: Sample Incorrectly Labelled
!IS	No Data: Insufficient Sample
!IV	No Data: Inverted Septum
!LA	No Data: Laboratory Accident
!LD	No Data: Test Queued After Sample Discarded

```
! LA
          No Data: Laboratory Accident
          No Data: Test Queued After Sample Discarded
! LD
          No Data: No Authorization To Perform Reanalysis
! NA
!NP
          No Data: No Procedure
          No Data: Sample Not Received
!NR
          No Data: Obscured Plate
!OP
          No Data: Quality Control Unacceptable
!OU
          No Data: Procedural Error - Sample Discarded
!PE
          No Data: Sample pH Outside Valid Range
! PH
          No Data: Received Empty
!RE
          No Data: See Attached Report (no numeric results)
! RO
          No Data: Sample Missing
! SM
          No Data: Send Separate Sample Properly Preserved
!SS
          No Data: Indeterminant Interference
!UI
          No Data: Time Expired
!TX
          Approximate, Total Count Exceeded 300 Colonies
A3C
          Additional Peak, Large, Not Priority Pollutant
APL
          Additional Peak, Less Than, Not Priority Pollutant
APS
CIC
          Possible Contamination, Improper Cap
CRO
          Calculated Result Only
          Test Performed On Preserved Sample
PPS
          P and M-Xylene Not Separated
RMP
          Rerun Verification
RRV
          Reported Value Unusual
RVU
          Several Peaks, Small, Not Priority Pollutant
SPS
UCR
          Unreliable: Could Not Confirm By Reanalysis
UCS
          Unreliable: Contamination Suspected
          Unreliable: Indeterminant Interference
UIN
          Positive After X Number of Hours
XP
T# (T06) Result Taken After # Hours
```

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	BACTERIO	LOGICAL		• • • • • • • • • • • • • • • • • • • •		
FECAL CO	DLIFORM MF (CT/100M		DET'N L	IMIT = 0	GUIDELINE =	0 (A1)
JAN	128					
FEB	12 T24			•	•	
MAR	BDL					
APR	BDL			•		•
HAY	BDL				•	•
JUN	3					•
JUL	24	•	•			
AUG	12	•			•	•
SEP	17					•
OCT	15	•	•	•	•	•
NOV	107					•
DEC	132		•	•		
STANDED	PLATE CNT MF ()	DET'N L	IMIT = 0	GUIDELINE =	500/ML (A1)
JAN		5 <=>		7 <=:		3 <=>
FEB		1 <=>		2 <=:		
		1 <=>				
HAR		119 T48		0 <=:		0 <=>
APR		1 <=>		1 <=:		2 <=>
HAY		1 <=>		14	•	27
JUN		0 <=>		1 <=:		1 <=>
JUL		0 <=>		0 <=:		12
AUG				0 <=:		20
SEP		2 <=>		3 <=:		0 <=>
OCT		1 <=>		1 <=:		0 <=>
NOV		1 <=>				1 <=>
DEC		10		1 <=:		0 <=>
TOTAL CO	LIFORM MF (CT/100M	L)	OET'N L	IMIT = 0	GUIDELINE =	5/100ML(A1)
JAN	5400 A3C	1 T48		0 T24		D T24
FE8	1300 A3C	0 T24		0 T24		
		0 T48		•	•	:
MAR	510 T48	0 T48		0 124		0 T24
APR	140 T48	0 T48		0 124	4 .	0 T24
HAY	300	0		0		0
JUN	200 <=>	0		0		0
JUL	270 A3C	0		0		0
AUG	200 <=>	•		0		0
SEP	1400 A3C	0		0		0
OCT	880 A3C	0		0		0
NOV	2500	0				0
DEC	1900	0		0		0
T COLIFO	RM BCKGRD MF (CT/1	00ML)	DET'N L	INIT = 0	GUIDELINE =	N/A
JAN	40000 >	1 148		0 124		0 T24

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW		TREATED		SITE 1			SITE 2		
				STA	NDING	FREE FLOW		STANDING	FREE FLOW	
• • • • • • • • • • • • • • • • • • • •										
FEB	65000	A3C	0 T	24			0 T24			
			0 T	48					•	
MAR	1900	T48	0 T-	48	•		0 T24		0 T24	
APR	430	T48	0 T-	48	•		0 T24		0 T24	
MAY	2600		0				0		0	
JUN	10000	A3C	0				0		0	
JUL	4700	A3C	0				0		0	
AUG	10000	A3C			•		0		0	
SEP	59000	A3C	0				0		0	
OCT	20000	A3C	0		•		0		0	
NOV	8100		0						0	
DEC	14000		0				0		0	

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATHENT PLANT

DISTRIBUTION SYSTEM

			SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	CHEMIS	TRY (FLD)				• • • • • • • • • • • • • • • • • • • •
FLD CHLORI	NE (COMB) ()	DET'N LI	MIT = N/A	GUIDELINE = 1	N/A
JAN		.100	.050	.050	.100	.150
FEB		.100	.100	.050		
	•	.100	•	•		
MAR		.200	.100	.100	.200	. 150
APR	•	.100	.150	. 100	.050	.100
MAY	•	.200	.050	.050	.050	.050
JUN	•	.100	.100	.100	.000	.100
JUL	.000	.160	.500	.050	.050	.050
AUG SEP	.000	.200	.050	.100	.050	.050
OCT	•	.100	.000	.050	.050 .100	.050
NOV	•	.200	.050	.050		
DEC	•	.100	.050	.100	.050 .050	.050
	• • • • • • • • • • • • • • • • • • • •	. 100		. 100	.050	.100
FLD CHLORII	NE FREE ()	DET'N LI	MIT = N/A	GUIDELINE = 1	N/A
JAN		1,000	.200	.300	.150	.500
FEB		1.000	.300	.350		
		1.000				
MAR		1.000	.200	.300	.100	.500
APR		1.000	.100	.300	.250	.200
HAY		.900	.150	.300	.100	.400
JUN	•	1.000	.100	.200	.000	.300
JUL	.000	.940	.100	.150	.100	.250
AUG	.000	.900	.200	.300	.150	. 200
SEP	•	1.100	.100	.200	.050	.200
OCT	•	1.000	.100	.300	.100	.200
NOV		.900	.050	.200	.100	.300
DEC		1.100	.100	.300	.050	.300
FLD CHLORIN	IE (TOTAL) ()	DET'N LI	MIT = N/A	GUIDELINE = 1	I/A
JAN	•	1,100	.250	.350	.250	.650
FEB		1.100	.400	.400		
		1.100				
MAR	•	1.200	.300	.400	.300	.650
APR		1.100	.250	.400	.300	.300
HAY	•	1.100	.200	.350	.150	.450
JUN		1.100	.200	.300	.000	.400
JUL	.000	1.100	.150	.200	.150	.300
AUG	.000	1.100	.250	.400	.200	. 250
SEP	•	1.200	.200	.250	.100	. 250
ОСТ		1.100	.100	.600	. 200	.300
NOV	•	1.100	.100	.250	. 150	.350
DEC		1.200	.150	.400	.150	.400
FLD PH (DMN	SLESS)		DET'N LI	HIT = N/A	GUIDELINE = 6	5.5-8.5(A4)
JAN	7.600	7.200	7.000	7.200	7.200	7.000

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
******			STANDING	FREE FLOW	STANDING	FREE FLOW
FEB	7.800	7.200	7,000	7,200		
res	7.500	7.100	7.000	7.200	•	•
MAR	7.500	7.000	7,000	7.200	7,000	7,200
APR	7.500	7.000	7.200	7.000	7.200	7.300
MAY	7.600	7.200	7.300	7.300	7.300	7.200
JUN	7.800	7.200	7.400	7.400	7,400	7.200
JUL	8.200	7.200	7.400	7.400	7.300	7.200
AUG	8.000	7.200	7.400	7.400	7.300	7,400
SEP	7.900	7.200	7.300	7.400	7.200	7.300
OCT	7.900	7.300	7.500	7.400	7.400	7.300
NOV	7.800	7.200	7.300	7.200	7.400	7.300
DEC	7.800	7.100	7.000	7.200	7.000	7.200
FLD TEMPE	RATURE (DEG.C)	DET'N LI	MIT = N/A	GUIDELINE =	15 (A1)
JAN	.300	.200	7.000	7.000	9.000	7.000
FEB	2.000	3.000	6.000	5.000		
		1.000				
MAR	3.000	3.000	10.000	5.000	8.000	5.000
APR	3.500	5.000	10.000	8.000	17.000	9.000
MAY	9.000	9.000	10.000	11.000	14.000	12.000
JUN	14.000	15.000	18.000	17.000	19.000	18.000
JUL	21.000	21.000	20.000	21.000	21.000	20.000
AUG	24.000	23.000	21.000	23.000	23.000	22.000
SEP	20.000	21.000	19.000	22.000	22.000	21.000
OCT	14.000	15.000	17.000	17.000	20.000	19.000
NOV	11.000	11.000	15.000	14.000	18.000	16.000
DEC	5.000	6.000	9.000	8.000	14.000	10.000
FLD TURBI	DITY (FTU)	DET'N LI	MIT = N/A	GUIDELINE =	1.0 (A1)
JAN	5.000	.150	1,100	.850	.600	.230
FEB	1.200	.160	.800	.650		
	3.200	.220	.000	.030	•	•
MAR	2.400	.150	.900	.640	.870	.380
APR	2.100	.100	.750	.600	.750	.450
MAY	3.100	. 150	.800	.300	.360	.480
JUN	5.500	.140	.650	.500	.400	,700
JUL	4.800	.150	.800	.400	.850	.600
AUG	4.000	.150	.750	.750	.800	.680
SEP	5.500	.170	.600	.800	.950	.600
OCT	6.500	.120	.920	.560	.500	. 240
NOV	4.000	. 130				1.200
			1.000	1.000	1.200	
DEC	2.300	.120	1.400	.900	.800	.700

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

. WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	CHEMIST	RY (LAB)				
LKALINIT	Y (MG/L)		DET'N LI	IMIT = .200	GUIDELINE = 30-	-500 (A4)
JAN	87.700	73.800	73.400	74.300	74.900	74.900
FEB	87.600	74.700	74.300	74.300	•	
	86.700	74.400	•		•	
HAR	84.900	70.800	71.900	71.800	72.600	72.400
APR	82.900	70.700	70.900	71.000	71.600	71.900
MAY	86.200	74.600	74.800	75.600	74.400	75.200
JUN	83.500	71.100	72.400	72.000	72.100	71.900
JUL	85.700	72.600	74.700	74.600	75.000	74.800
AUG	86.000	72.200	73.400	72.600	74.600	74.100
SEP	84.800	73.000	73.900	74.300	74.900	74.800
OCT	85.400	73.500	75.000	73.500	74.200	73.600
NOV	87.500	75.000	75.700	74.600	76.600	75.900
DEC	85.000	72.800	74.100	73.000	74.700	73.900
ALCIUM (I	(G/L)		DET'N LI	INIT = .100	GUIDELINE = 100	(F2)
JAN	30.200	29.400	29.800	30.200	30.800	29.600
FEB	30.600	29.600	31.000	31.000		
	29.000	29.000				
MAR	29.600	30.200	29.800	30.000	29.600	29.600
APR	27.400	28.200	27,800	27,800	28.200	28,400
HAY	27.800	28.800	28.600	29.000	28.000	28.200
JUN	29.000	28.800	29,400	29.800	29,600	28.600
JUL	29.000	29,400	30,600	30.200	29.800	30,200
AUG	30.000	29,200	29.800	29.800	30,800	30,800
SEP	28.000	28.800	28.000	28,600	28,800	29.200
OCT	29.800	31.300	31,600	31,100	31,700	31.600
NOV	29.800	30,200	29.000	28.300	30.600	30,800
DEC	29.300	28.500	31.100	30.600	29.900	30.300
HLORIDE (MG/L)		DET'N LI	MIT = .200	GUIDELINE = 250) (A3)
	42.200	47.000				
JAN	12.200	13.200	13.600	13.200	13.400	12.800
FEB	10.700	12.600	12.600	12.400	•	•
MAP	9.000	10.700	46 700			
MAR	10.100	11.600	12.300	11.800	11.700	11.600
APR	10.800	12.200	12.500	12.400	12.500	12.300
MAY	10.600	11.900	11.900	12.100	12.000	12.000
JUN	9.700	11.100	11.500	11.200	11,400	11.100
JUL	7.300	10.200	10.600	10.400	10.300	10.400
AUG	8.800	10.400	10.800	10.400	10.700	10.400
SEP	9.100	11.100	11.400	11.200	11.400	11.100
DCT	9.600	11.600	12.700	12.200	12.600	12.200
NOV	10.100	11.800	12.200	11.800	11.800	12.000
DEC	7.600	9.700	12.700	10.400	10.500	10.200
OLOUR (HZ	:U)		DET'N LI	MIT = .5	GUIDELINE = 5.0) (A3)
JAN	.500 <t< td=""><td>.500 <t< td=""><td>3,500</td><td>3.000</td><td>2.000 <7</td><td>1,000 <</td></t<></td></t<>	.500 <t< td=""><td>3,500</td><td>3.000</td><td>2.000 <7</td><td>1,000 <</td></t<>	3,500	3.000	2.000 <7	1,000 <

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
FEB	.500 <7	BOL	3.000	2.500		,
	1,000 <t< td=""><td>.500 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.500 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAR	1.500 <t< td=""><td>1.000 <t< td=""><td>4.000</td><td>3,500</td><td>2,500</td><td>1,000 <</td></t<></td></t<>	1.000 <t< td=""><td>4.000</td><td>3,500</td><td>2,500</td><td>1,000 <</td></t<>	4.000	3,500	2,500	1,000 <
APR	1.000 <t< td=""><td>.500 <t< td=""><td>2.000 <t< td=""><td></td><td></td><td></td></t<></td></t<></td></t<>	.500 <t< td=""><td>2.000 <t< td=""><td></td><td></td><td></td></t<></td></t<>	2.000 <t< td=""><td></td><td></td><td></td></t<>			
HAY	1.000 <t< td=""><td>.500 <t< td=""><td>1.500 <t< td=""><td></td><td></td><td></td></t<></td></t<></td></t<>	.500 <t< td=""><td>1.500 <t< td=""><td></td><td></td><td></td></t<></td></t<>	1.500 <t< td=""><td></td><td></td><td></td></t<>			
JUN	1.000 <t< td=""><td>1,000 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td>1.500 <</td></t<></td></t<></td></t<>	1,000 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td>1.500 <</td></t<></td></t<>	1.000 <t< td=""><td></td><td></td><td>1.500 <</td></t<>			1.500 <
JUL	1.500 <t< td=""><td>1.000 <t< td=""><td>3.000</td><td>3,000</td><td>1.500 <t< td=""><td></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>3.000</td><td>3,000</td><td>1.500 <t< td=""><td></td></t<></td></t<>	3.000	3,000	1.500 <t< td=""><td></td></t<>	
AUG	1.000 <t< td=""><td>BOL</td><td>2.500</td><td>2.000 <t< td=""><td></td><td>1.500 <</td></t<></td></t<>	BOL	2.500	2.000 <t< td=""><td></td><td>1.500 <</td></t<>		1.500 <
SEP	1.000 <t< td=""><td>BOL</td><td>3.000</td><td>2.500</td><td>2,500</td><td>2,500</td></t<>	BOL	3.000	2.500	2,500	2,500
OCT	.500 <t< td=""><td>BOL</td><td>3,500</td><td>1.500 <t< td=""><td></td><td></td></t<></td></t<>	BOL	3,500	1.500 <t< td=""><td></td><td></td></t<>		
NOV	1,000 <t< td=""><td>.500 <t< td=""><td>1.500 <t< td=""><td></td><td></td><td>1,000 <</td></t<></td></t<></td></t<>	.500 <t< td=""><td>1.500 <t< td=""><td></td><td></td><td>1,000 <</td></t<></td></t<>	1.500 <t< td=""><td></td><td></td><td>1,000 <</td></t<>			1,000 <
DEC	1.000 <t< td=""><td>BOL</td><td>5.000</td><td>3.000</td><td>2.000 <t< td=""><td>1.000 <</td></t<></td></t<>	BOL	5.000	3.000	2.000 <t< td=""><td>1.000 <</td></t<>	1.000 <
ONDUCTIV	ITY (UNHO/CH)		DET'N LI	MIT = 1	GUIDELINE =	400 (F2)
JAN	247	248	247	249	248	248
FEB	239	246	249	243	240	240
768	234				•	•
NAR	238	242 242	245	243	245	245
APR	238		248	246	247	247
HAY	234	246 238	239		239	241
				243	239	238
JUN	231	238	242	238	239	239
JUL	225	237	242 239	239 234	236	235
AUG	228	231				240
SEP	229 232	239	245	240	242	244
OCT		242	252	243	248	
NOV	238 222	243 232	243 243	241 234	243 236	246 235
• • • • • • • • • • • • • • • • • • • •					GUIDELINE = 1	• • • • • • • • • • • • • • • • • • • •
LUORIDE	(Mu/L)		DEL-M CI	MIT = .01	GOIDELINE =	2.400 (AT)
JAN	- 080	1.020	.880	.980	.900	.980
FEB	.100	.920	.900	.940	•	
	.080	.700		•		
HAR	BOL	1.100	1.020	1.140	1.140	1.060
APR	.100	1.060	. 980	1.040	.920	.960
MAY	.080	.080	.240	.400	.400	.320
JUN	.080	1.160	1.100	1.140	1.100	1.120
JUL	.080	1.200	1.020	1.140	1.060	1.100
AUG	.080	1.200	1.180	1.320	1.180	1.220
SEP	.080	1.040	1.000	1.000	.960	.980
OCT	.080	1.080	1.080	.980	1.000	1.000
NOV	.100	1.160	.900	.980	.920	.960
DEC	BOL	1.260	.920	1.140	.920	1.180
ARDNESS	(MG/L)		DET'N LI	MIT = .500	GUIDELINE = 2	80-100 (A4)
JAN	108.000	105.000	105.000	107,000	110.000	105.000
FEB	108.000	105.000	109.000	110.000	110.000	.05.000

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2		
			STANDING	FREE FLOW	STANDING	FREE FLOW	
MAR	106,000	108,000	107,000	107,000	107.000	106.000	
APR	99.000	101.000	100.000	99,000	100.000	101,000	
MAY	99.000	102.000	101.000	102.000	99.000	100.000	
JUN	106.000	104.000	106.000	107.000	107,000	103.000	
JUL	102.000			106.000	104.000	105.000	
		104.000	106.000 105.000	106.000	107.000	108.000	
AUG	106.000	106.000					
SEP	101.000	103.000	101.000	103.000	103.000	104.000	
OCT	106.100	109.400	109.600	108.100	110.600	110.100	
NOV	107.000	107.000	103.700	102.300	107.000	109.000	
DEC	104.500	102.800	108.600	107.900	106.200	107.200	
ONCAL (DMNSLESS)		DET'N LI	MIT = N/A	GUIDELINE =	N/A	
MAL	2.921	1.569	1.054	2.908	1.267	.557	
FEB	1.254	1.231	4.670	5.800			
	3.553	3.534					
MAR	2.141	6.657	5.579	5.237	4.314	4.539	
APR	1.117	.353	.820	1.426	.962	.563	
MAY	3.951	.289	.734	.950	1.152	1.769	
JUN	4.276	5,508	4.593	7.414	6.809	3.215	
JUL	.460	3.441	3,391	3.279	1.631	2.210	
AUG	2.859	4.109	4.515	5.161	5.897	6.296	
SEP	2.987	.831	4.657	2.037	2.324	.088	
OCT	3.315	5.844	4.791	4.938	5.112	6.031	
NOV	.380	3.034	2.124	3.131	3.122	3.734	
DEC	4.279	4.528	2.518	.776	2.793	2.284	
ANGELIER	S INDEX (DMNSLE	SS)	DET'N LI	DET'N LIMIT = N/A		GUIDELINE = N/A	
JAN	.105	-,212	168	178	006	173	
FEB	. 203				006		
LEB		163	227	304	•	•	
MAG	.207	142	•			451	
MAR	. 165	366	177	193	145	156	
APR	.141	.012	034	073	.027	.052	
MAY	.206	.117	.105	.094	.133	.120	
JUN	.082	124	068	053	076	092	
JUL	.046	425	.073	.028	.044	.029	
AUG	.241	088	.025	008	.087	.065	
SEP	.274	.078	.028	.082	.087	.094	
OCT	.243	115	.064	018	.053	011	
NOV	.241	132	105	181	.043	139	
DEC	. 298	055	004	044	.055	.016	
AGNESIUM	(MG/L)		DET'N LI	MIT = .050	GUIDELINE =	30 (F2)	
JAN	7.900	7.700	7.500	7.700	7.900	7.600	
FEB	, 7.600	7.500	7.700	7.900			
	8.100	8.000					
HAR	7.900	7.900	8.000	7.800	7,900	7,900	

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAY	7.100	7.200	7,200	7.300	7,200	7.200
JUN	8.100	7.900	7.800	8.000	8,000	7.700
JUL	7.300	7.400	7.400	7.300	7.200	7.200
AUG	7,600	7.900	7.500	7.600	7.500	7.500
SEP	7.600	7.600	7.500	7,600	7.500	7.600
OCT	7.700	7.550	7.450	7.400	7.600	7.600
MOV	7.800	7.600	7.600	7.700	7.500	7.700
DEC	7.650	7.650	7.550	7.650	7.650	7.650
SODIUM (M	G/L)		DET'N LI	MIT = .200	GUIDELINE =	200 (C3)
JAN	6.800	6.800	7.600	7.200	7.400	7.600
FEB	6.600	6.800	7.000	7.000		
	6.400	6.400				
MAR	6.400	6.800	7.200	6.800	7.000	7.000
APR	6.400	6.600	6.800	6.600	6.800	7.000
MAY	6.600	6.800	6.600	7.000	6.800	6.800
JUN	6.400	6.600	6.400	6.400	6.600	6.200
JUL	5.000	6.000	6.200	6.200	6.200	6.000
AUG	6.000	5.800	6.200	5.600	6.000	6.000
SEP	5.400	5.600	5.400	5.400	5.600	5.800
OCT	6.700	7.100	7.600	7.300	7.400	7.200
NOV	6.200	6.400	6.200	5.800	6.600	6.600
DEC	2.200	2.600	3.700	2.600	2.900	2.600
NHONIUM 1	TOTAL (MG/L)	DET'N LI	MIT = 0.002	GUIDELINE =	.05 (F2)
JAN	.030	.016	.074	.014	.016	.016
FEB	T> 800.	BOL	.112	.002 <t< td=""><td>•</td><td></td></t<>	•	
	.010	.002 <t< td=""><td>•</td><td>•</td><td>•</td><td></td></t<>	•	•	•	
MAR	.008 <t< td=""><td>.002</td><td>.072</td><td>.002</td><td>.002</td><td>.002</td></t<>	.002	.072	.002	.002	.002
APR	.028	BOL	.114	.002 <t< td=""><td>.012</td><td>BDL</td></t<>	.012	BDL
MAY	.010	BOL	SOL	.176	.006 <t< td=""><td>BDL</td></t<>	BDL
JUN	.004 <t< td=""><td>BDL</td><td>.282</td><td>.004 <t< td=""><td>.002 <t< td=""><td>.004 <1</td></t<></td></t<></td></t<>	BDL	.282	.004 <t< td=""><td>.002 <t< td=""><td>.004 <1</td></t<></td></t<>	.002 <t< td=""><td>.004 <1</td></t<>	.004 <1
JUL	.006 <t< td=""><td>BOL</td><td>. 130</td><td>.002 <t< td=""><td>.002 <t< td=""><td>BOL</td></t<></td></t<></td></t<>	BOL	. 130	.002 <t< td=""><td>.002 <t< td=""><td>BOL</td></t<></td></t<>	.002 <t< td=""><td>BOL</td></t<>	BOL
AUG	.008 <t< td=""><td>BOL</td><td>.366</td><td>.002 <t< td=""><td>.008 <t< td=""><td>.010</td></t<></td></t<></td></t<>	BOL	.366	.002 <t< td=""><td>.008 <t< td=""><td>.010</td></t<></td></t<>	.008 <t< td=""><td>.010</td></t<>	.010
SEP	.002 <t< td=""><td>BOL</td><td>.252</td><td>BOL</td><td>.008 <t< td=""><td>BOL</td></t<></td></t<>	BOL	.252	BOL	.008 <t< td=""><td>BOL</td></t<>	BOL
OCT	.010	BOL	.292	BOL	.044	BOL
NOV	.010	.018	.004 <t< td=""><td>BOL</td><td>.004 <t< td=""><td>BOL</td></t<></td></t<>	BOL	.004 <t< td=""><td>BOL</td></t<>	BOL
DEC	.030	BOL	.002 <t< td=""><td>BDL</td><td>BOL</td><td>BDL</td></t<>	BDL	BOL	BDL
HITRITE (H	IG/L)		DET'N LI	MIT = 0.001	GUIDELINE =	1.000 (A1)
JAN	.004 <t< td=""><td>BDL</td><td>.001 <t< td=""><td>BDL</td><td>BOL</td><td>BOL</td></t<></td></t<>	BDL	.001 <t< td=""><td>BDL</td><td>BOL</td><td>BOL</td></t<>	BDL	BOL	BOL
FEB	.002 <7	BOL	.003 <t< td=""><td>.003 <t< td=""><td></td><td></td></t<></td></t<>	.003 <t< td=""><td></td><td></td></t<>		
	.003 <t< td=""><td>BOL</td><td></td><td></td><td>•</td><td></td></t<>	BOL			•	
MAR	.002 <t< td=""><td>.001</td><td>.001 <t< td=""><td>.001</td><td>.001</td><td>.001</td></t<></td></t<>	.001	.001 <t< td=""><td>.001</td><td>.001</td><td>.001</td></t<>	.001	.001	.001
APR	.003 <7	BOL	.001 <t< td=""><td>BDL</td><td>.001 <t< td=""><td>.001 <</td></t<></td></t<>	BDL	.001 <t< td=""><td>.001 <</td></t<>	.001 <
MAY	.005	BOL	.001 <t< td=""><td>.003 <t< td=""><td>.003 <t< td=""><td>.001 <</td></t<></td></t<></td></t<>	.003 <t< td=""><td>.003 <t< td=""><td>.001 <</td></t<></td></t<>	.003 <t< td=""><td>.001 <</td></t<>	.001 <
JUN	.007	.002 <t< td=""><td>.004 <t< td=""><td>.004 <t< td=""><td>.003 <t< td=""><td>.004 <</td></t<></td></t<></td></t<></td></t<>	.004 <t< td=""><td>.004 <t< td=""><td>.003 <t< td=""><td>.004 <</td></t<></td></t<></td></t<>	.004 <t< td=""><td>.003 <t< td=""><td>.004 <</td></t<></td></t<>	.003 <t< td=""><td>.004 <</td></t<>	.004 <

TABLE 5

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JUL	.005	BOL	.002 <1	.001 <t< td=""><td>.001 <7</td><td>.001 <t< td=""></t<></td></t<>	.001 <7	.001 <t< td=""></t<>
AUG	.005		.002 <t< td=""><td>.001 <t< td=""><td>.002 <7</td><td>.001 <t< td=""></t<></td></t<></td></t<>	.001 <t< td=""><td>.002 <7</td><td>.001 <t< td=""></t<></td></t<>	.002 <7	.001 <t< td=""></t<>
SEP	.009	.003 <7		.001 <t< td=""><td>.001 <7</td><td>BDL BDL</td></t<>	.001 <7	BDL BDL
OCT	.004 <t< td=""><td>.001 <t< td=""><td>.001 <t .003 <t< td=""><td>.001 <t< td=""><td>.001 <7</td><td>BOL</td></t<></td></t<></t </td></t<></td></t<>	.001 <t< td=""><td>.001 <t .003 <t< td=""><td>.001 <t< td=""><td>.001 <7</td><td>BOL</td></t<></td></t<></t </td></t<>	.001 <t .003 <t< td=""><td>.001 <t< td=""><td>.001 <7</td><td>BOL</td></t<></td></t<></t 	.001 <t< td=""><td>.001 <7</td><td>BOL</td></t<>	.001 <7	BOL
NOV	.004 <t< td=""><td></td><td>.005</td><td>.003 <7</td><td>.001 <7</td><td>BDL</td></t<>		.005	.003 <7	.001 <7	BDL
DEC	.003 <t< td=""><td>.001 <t BDL</t </td><td>.005 .002 <t< td=""><td></td><td>.001 <7</td><td>.001 <t< td=""></t<></td></t<></td></t<>	.001 <t BDL</t 	.005 .002 <t< td=""><td></td><td>.001 <7</td><td>.001 <t< td=""></t<></td></t<>		.001 <7	.001 <t< td=""></t<>
TOTAL NITE	RATES (MG/L)	DET'N LII	4IT = .020	GUIDELINE = 10	.000 (A1)
JAN	.475	.410	.540	.400	.395	.405
FEB	.390	.345	.500	.350		
	.320	.335				
MAR	.345	.345	.390	.335	.340	.345
APR	.485	.420	.545	.405	.435	.400
MAY	.130	.130	.125	.220	.120	.120
JUN	.545	.365	.710	.330	.320	.325
JUL	.160	.170	.610	.280	.280	.275
AUG	.290	.245	.745	.285	.275	. 285
SEP	.335	.400	.680	.370	.370	.365
OCT	.290	.310	.665	.295	.360	.290
NOV	.385	.350	.295	.315	.305	.315
DEC	.290	.285	.420	.280	.265	.265
NITROGEN T	OT KJELD (MG/L)	DET'N LI	4IT = .020	GUIDELINE = N/	A
JAN	.220	.100	.250	.110	.090 <t< td=""><td>.080 <t< td=""></t<></td></t<>	.080 <t< td=""></t<>
FEB	.190	.090 <t< td=""><td>.300</td><td>.100</td><td></td><td></td></t<>	.300	.100		
	.200	.090 <t< td=""><td></td><td>•</td><td>•</td><td></td></t<>		•	•	
MAR	.170	.100	.330	.120	.120	.110
APR	.210	.080 <t< td=""><td>.230</td><td>.080 <t< td=""><td>.170</td><td>.110</td></t<></td></t<>	.230	.080 <t< td=""><td>.170</td><td>.110</td></t<>	.170	.110
MAY	.220	.090 <t< td=""><td>.110</td><td>.310</td><td>.320</td><td>.100</td></t<>	.110	.310	.320	.100
JUN	. 190	.100	.430	.080 <t< td=""><td>.090 <t< td=""><td>.090 <t< td=""></t<></td></t<></td></t<>	.090 <t< td=""><td>.090 <t< td=""></t<></td></t<>	.090 <t< td=""></t<>
JUL	. 200	.090 <t< td=""><td>.390</td><td>.120</td><td>.100</td><td>.090 <t< td=""></t<></td></t<>	.390	.120	.100	.090 <t< td=""></t<>
AUG	.190	.120	.540	.090 <t< td=""><td>.090 <t< td=""><td>.090 <t< td=""></t<></td></t<></td></t<>	.090 <t< td=""><td>.090 <t< td=""></t<></td></t<>	.090 <t< td=""></t<>
SEP	.200	.110	.430	.110	. 150	.100
OCT	.240	.110	.750	.110	.350	.130
NOV	.170	.090 <t< td=""><td>.160</td><td>.100</td><td>.100</td><td>.100</td></t<>	.160	.100	.100	.100
DEC	.190	.120	.220	.100	.110	.110
PH (DMNSLE	ss)		DET'N LIP	IIT = N/A	GUIDELINE = 6.	5-8.5(A4)
JAN	8.100	7.870	7.910	7.890	8.050	7.900
FEB	8.190	7.910	7.830	7.750		
	8.220	7.940				
HAR	8.180	7.720	7.910	7.890	7.940	7.930
APR	8.200	8.130	8.090	8.050	8.140	8.160
HAY	8.240	8,200	8.190	8.170	8.230	8.210
JUN	8.110	7.980	8.020	8.030	8,010	8,010
JUL	8.060	7.660	8.130	8.090	8,110	8.090
AUG	8.240	8.000	8.100	8.070	8.140	8,120

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	8.310	8.170	8,130	8.170	8,170	8,170
OCT	8.250	7.940	8.110	8.040	8,100	8.040
NOV	8.240	7.930	7.970	7.910	8,090	7.910
DEC	8.310	8.040	8.050	8.020	8.120	8.080
HOSPHORU	S FIL REACT (MG/	L)	DET'N LI	MIT = .0005	GUIDELINE =	N/A
JAN	.002	.001 <t< td=""><td></td><td></td><td></td><td></td></t<>				
FEB	.000 <t< td=""><td>BOL</td><td></td><td></td><td></td><td></td></t<>	BOL				
	.000 <t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
MAR	.002	.000				
APR	.001 <t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
HAY	.000	.000				
JUN	.001 <t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
JUL	BDL	BOL				
AUG	.001 <t< td=""><td>.001 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.001 <t< td=""><td></td><td></td><td></td><td></td></t<>				
SEP	.001 <t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
OCT	BDL	BDL				
NOV	.001 <t< td=""><td>.001 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.001 <t< td=""><td></td><td></td><td></td><td></td></t<>				
DEC	.001 <t< td=""><td>.000 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.000 <t< td=""><td></td><td></td><td></td><td></td></t<>				
JAN	.019	.004 <t< th=""><th>•</th><th>•</th><th></th><th>•</th></t<>	•	•		•
FEB	.003 <t< td=""><td>BDL</td><td>•</td><td>•</td><td>•</td><td>•</td></t<>	BDL	•	•	•	•
	.011	.003 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
MAR	.006 <t< td=""><td>BDL</td><td>•</td><td>•</td><td>•</td><td>•</td></t<>	BDL	•	•	•	•
APR	.005 <t< td=""><td>BOL</td><td>•</td><td>•</td><td>•</td><td>•</td></t<>	BOL	•	•	•	•
HAY	.005 <t< td=""><td>BOL</td><td>•</td><td>•</td><td>•</td><td>•</td></t<>	BOL	•	•	•	•
JUN	.014	.002 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
JUL	.009 <t< td=""><td>BOL</td><td>•</td><td>•</td><td>•</td><td>•</td></t<>	BOL	•	•	•	•
AUG	.008 <t< td=""><td>BOL</td><td>•</td><td>•</td><td>•</td><td>•</td></t<>	BOL	•	•	•	•
SEP	.010	.002 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
OCT	.006 <t< td=""><td>BDL</td><td>•</td><td></td><td></td><td>•</td></t<>	BDL	•			•
NOV	.015	.002 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
DEC	.003 <t< td=""><td>BOL</td><td>•</td><td></td><td></td><td></td></t<>	BOL	•			
ULPHATE ((MG/L)		DET'N LI	MIT = .200	GUIDELINE =	500. (A3)
JAN	18.970	26.810	27.670	30.730	27.600	26.910
FEB	15.760	23.410	24.270	24.230		•
	14.400	23.500				
MAR	16.720	25.590	25.030	25.040	25.230	25.300
APR	13.660	24.740	24.470	24.450	24.540	24.200
MAY	15.180	23.770	23.190	22.740	22.900	23.280
JUN	14.980	23.510	23.000	22.930	23.150	23.250
JUL	15.580	24.410	23.970	23.860	24.070	24.040
AUG	15.780	24.580	22,600	22.810	22.460	22.910
SEP	16.710 16.120	25.140 25.720	25.200	24.280	24.290	23.890 25.730

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
NOV	16.610	23.230	24.660	25.130	22.640	23.570
DEC	16.690	24.640	25.120	24.690	24.080	25.050
TURBIDITY	(FTU)		DET'N LIM	IT = .02	GUIDELINE *	1.00 (A1)
JAN	8.800	.260	.940	.960	.760	.570
FEB	1.670	.340	.630	.710		
	5.100	.250			•	
MAR	1.720	.300	.950	.490	.400	.200
APR	2.200	.470	.810	.440	.320	.490
MAY	4.700	.890	.850	.850	.820	.770
JUN	4.000	.580	.860	.700	.650	.440
JUL	5.300	.540	.810	.510	.460	.540
AUG	3.100	.360	.820	.470	.770	.570
SEP	7.400	.410	.810	.800	.280	.310
OCT	1.760	.140 <t< td=""><td>.530</td><td>.310</td><td>.530</td><td>.200</td></t<>	.530	.310	.530	.200
NOV	2.800	.400	.470	.350	.600	.440
DEC	2.300	.450	1.050 RRV		.400	.370

TABLE 5

TABLE 5

RAW TREATED SITE 1 SITE 2

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

		IREATED				
			STANDING	FREE FLOW	STANDING	FREE FLOW
	METALS					
SILVER (UC	G/L)			DET'N LIMIT = .020	GUIDELINE = 5	D. (A1)
JAN	BOL	.040 <7	.030 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL
FEB	.090 <t< td=""><td>.320 <t< td=""><td>.120 <t< td=""><td>.080 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<>	.320 <t< td=""><td>.120 <t< td=""><td>.080 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.120 <t< td=""><td>.080 <t< td=""><td></td><td></td></t<></td></t<>	.080 <t< td=""><td></td><td></td></t<>		
	.040 <t< td=""><td>1.000</td><td></td><td>•</td><td></td><td></td></t<>	1.000		•		
MAR	.040 <t< td=""><td>.240 <t< td=""><td>.070 <t< td=""><td>.050 <t< td=""><td>BDL</td><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.070 <t< td=""><td>.050 <t< td=""><td>BDL</td><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<>	.070 <t< td=""><td>.050 <t< td=""><td>BDL</td><td>.120 <t< td=""></t<></td></t<></td></t<>	.050 <t< td=""><td>BDL</td><td>.120 <t< td=""></t<></td></t<>	BDL	.120 <t< td=""></t<>
APR	.110 <t< td=""><td>.140 <t< td=""><td>.120 <t< td=""><td>.040 <t< td=""><td>.040 <t< td=""><td>.080 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.140 <t< td=""><td>.120 <t< td=""><td>.040 <t< td=""><td>.040 <t< td=""><td>.080 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.120 <t< td=""><td>.040 <t< td=""><td>.040 <t< td=""><td>.080 <t< td=""></t<></td></t<></td></t<></td></t<>	.040 <t< td=""><td>.040 <t< td=""><td>.080 <t< td=""></t<></td></t<></td></t<>	.040 <t< td=""><td>.080 <t< td=""></t<></td></t<>	.080 <t< td=""></t<>
MAY	BDL	.040 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BOL</td></t<>	BDL	BDL	BDL	BOL
JUN	BDL	.030 <t< td=""><td>BOL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BOL	BDL	BDL	BDL
JUL	BDL	BDL	.080 <t< td=""><td>BDL</td><td>BDL</td><td>BOL</td></t<>	BDL	BDL	BOL
AUG	BDL	!SM	.030 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL
SEP	BDL	.030 <t< td=""><td>.120 <t< td=""><td>.090 <t< td=""><td>.050 <t< td=""><td>.030 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.120 <t< td=""><td>.090 <t< td=""><td>.050 <t< td=""><td>.030 <t< td=""></t<></td></t<></td></t<></td></t<>	.090 <t< td=""><td>.050 <t< td=""><td>.030 <t< td=""></t<></td></t<></td></t<>	.050 <t< td=""><td>.030 <t< td=""></t<></td></t<>	.030 <t< td=""></t<>
OCT	BDL	BDL	.050 <t< td=""><td>BDL</td><td>BDL</td><td>BOL</td></t<>	BDL	BDL	BOL
NOV	BDL	BOL	BDL	BDL	BDL	BOL
DEC	BDL	BDL	BDL	BDL	BDL	BDL
LUMINUM ((UG/L)			DET'N LIMIT = .050	GUIDELINE = 1	DO.(A4)
JAN	90.480	24.360	26.680	22.040	18.560	20.880
FEB	16.240	26.680	25.520	22.040		
	35.960	32.480				•
MAR	32.480	27.840	25.520	23.200	22.040	20.880
APR	33.640	30.160	22.040	15.080	13.920	20.880
MAY	63.800	33.640	31.320	29.000	25.520	29.000
JUN	60.000	58.000	41.000	44.000	35.000	45.000
JUL	61.000	100.000	64.000	74.000	52.000	63.000
AUG	52.000	ISH	75.000	96.000	62.000	67.000
SEP	62.000	98.000	73.000	81.000	70.000	64.000
OCT	56.000	46.000	57.000	44.000	35.000	38.000
NOV	30.000	43.000	38.000	38.000	31.000	27.000
DEC	35.000	39.000	40.000	25.000	20.000	18.000
RSENIC (U	ıg/Ļ)		•	DET'N LIMIT = 0.050	GUIDELINE = 5	0.0 (A1)
JAN	.630 <t< td=""><td>.380 <7</td><td>.340 <t< td=""><td>.330 <t< td=""><td>.290 <t< td=""><td>.200 <1</td></t<></td></t<></td></t<></td></t<>	.380 <7	.340 <t< td=""><td>.330 <t< td=""><td>.290 <t< td=""><td>.200 <1</td></t<></td></t<></td></t<>	.330 <t< td=""><td>.290 <t< td=""><td>.200 <1</td></t<></td></t<>	.290 <t< td=""><td>.200 <1</td></t<>	.200 <1
FEB	.500 <t< td=""><td>.170 <t< td=""><td>.230 <t< td=""><td>.120 <t< td=""><td>•</td><td></td></t<></td></t<></td></t<></td></t<>	.170 <t< td=""><td>.230 <t< td=""><td>.120 <t< td=""><td>•</td><td></td></t<></td></t<></td></t<>	.230 <t< td=""><td>.120 <t< td=""><td>•</td><td></td></t<></td></t<>	.120 <t< td=""><td>•</td><td></td></t<>	•	
	.910 <t< td=""><td>.700 <t< td=""><td></td><td>•</td><td>•</td><td></td></t<></td></t<>	.700 <t< td=""><td></td><td>•</td><td>•</td><td></td></t<>		•	•	
MAR	1.200	1.100	.710 <t< td=""><td>.880 <t< td=""><td>.550 <t< td=""><td>.870 <1</td></t<></td></t<></td></t<>	.880 <t< td=""><td>.550 <t< td=""><td>.870 <1</td></t<></td></t<>	.550 <t< td=""><td>.870 <1</td></t<>	.870 <1
APR	.820 <t< td=""><td>.740 <t< td=""><td>.830 <t< td=""><td>.830 <t< td=""><td>.630 <t< td=""><td>.640 <1</td></t<></td></t<></td></t<></td></t<></td></t<>	.740 <t< td=""><td>.830 <t< td=""><td>.830 <t< td=""><td>.630 <t< td=""><td>.640 <1</td></t<></td></t<></td></t<></td></t<>	.830 <t< td=""><td>.830 <t< td=""><td>.630 <t< td=""><td>.640 <1</td></t<></td></t<></td></t<>	.830 <t< td=""><td>.630 <t< td=""><td>.640 <1</td></t<></td></t<>	.630 <t< td=""><td>.640 <1</td></t<>	.640 <1
MAY	1.100	.660 <t< td=""><td>.700 <t< td=""><td>.680 <t< td=""><td>.820 <t< td=""><td>.690 <1</td></t<></td></t<></td></t<></td></t<>	.700 <t< td=""><td>.680 <t< td=""><td>.820 <t< td=""><td>.690 <1</td></t<></td></t<></td></t<>	.680 <t< td=""><td>.820 <t< td=""><td>.690 <1</td></t<></td></t<>	.820 <t< td=""><td>.690 <1</td></t<>	.690 <1
JUN	1.400	1.600	.760 <t< td=""><td>1.000 <t< td=""><td>.930 <t< td=""><td>1.000 <1</td></t<></td></t<></td></t<>	1.000 <t< td=""><td>.930 <t< td=""><td>1.000 <1</td></t<></td></t<>	.930 <t< td=""><td>1.000 <1</td></t<>	1.000 <1
JUL	1.700	1.400	1.300	.890 <t< td=""><td>.960 <t< td=""><td>.590 <1</td></t<></td></t<>	.960 <t< td=""><td>.590 <1</td></t<>	.590 <1
AUG	1.100	! SM	.970 <t< td=""><td>.960 <t< td=""><td>.720 <t< td=""><td>.930 <1</td></t<></td></t<></td></t<>	.960 <t< td=""><td>.720 <t< td=""><td>.930 <1</td></t<></td></t<>	.720 <t< td=""><td>.930 <1</td></t<>	.930 <1
SEP	.940 <t< td=""><td>.960 <t< td=""><td>.830 <t< td=""><td>.850 <t< td=""><td>.700 <t< td=""><td>.640 <1</td></t<></td></t<></td></t<></td></t<></td></t<>	.960 <t< td=""><td>.830 <t< td=""><td>.850 <t< td=""><td>.700 <t< td=""><td>.640 <1</td></t<></td></t<></td></t<></td></t<>	.830 <t< td=""><td>.850 <t< td=""><td>.700 <t< td=""><td>.640 <1</td></t<></td></t<></td></t<>	.850 <t< td=""><td>.700 <t< td=""><td>.640 <1</td></t<></td></t<>	.700 <t< td=""><td>.640 <1</td></t<>	.640 <1
OCT	.800 <t< td=""><td>.500 <t< td=""><td>.490 <t< td=""><td>.450 <t< td=""><td>.410 <t< td=""><td>.300 <1</td></t<></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.490 <t< td=""><td>.450 <t< td=""><td>.410 <t< td=""><td>.300 <1</td></t<></td></t<></td></t<></td></t<>	.490 <t< td=""><td>.450 <t< td=""><td>.410 <t< td=""><td>.300 <1</td></t<></td></t<></td></t<>	.450 <t< td=""><td>.410 <t< td=""><td>.300 <1</td></t<></td></t<>	.410 <t< td=""><td>.300 <1</td></t<>	.300 <1
NOV	.630 <t< td=""><td>.390 <t< td=""><td>.490 <t< td=""><td>.460 <t< td=""><td>.420 <t< td=""><td>.410 <1</td></t<></td></t<></td></t<></td></t<></td></t<>	.390 <t< td=""><td>.490 <t< td=""><td>.460 <t< td=""><td>.420 <t< td=""><td>.410 <1</td></t<></td></t<></td></t<></td></t<>	.490 <t< td=""><td>.460 <t< td=""><td>.420 <t< td=""><td>.410 <1</td></t<></td></t<></td></t<>	.460 <t< td=""><td>.420 <t< td=""><td>.410 <1</td></t<></td></t<>	.420 <t< td=""><td>.410 <1</td></t<>	.410 <1
DEC	.420 <t< td=""><td>.520 <7</td><td>.660 <t< td=""><td>.330 <7</td><td>.180 <t< td=""><td>.330 <1</td></t<></td></t<></td></t<>	.520 <7	.660 <t< td=""><td>.330 <7</td><td>.180 <t< td=""><td>.330 <1</td></t<></td></t<>	.330 <7	.180 <t< td=""><td>.330 <1</td></t<>	.330 <1
ARIUM (UG	i/L)			DET'N LIMIT = 0.020	GUIDELINE = 1	DOU. (A1)

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANOING	FREE FLOW	STANDING	FREE FLOW
FEB	15.000	15.000	15.000	15.000	•	
	15.000	15.000	•	•	•	
MAR	15.000	15.000	16.000	16.000	16.000	16.000
APR	14.000	15.000	16.000	15.000	16.000	15.000
MAY	15.000	16.000	16.000	16.000	16.000	16.000
JUN	15.000	15.000	16.000	16.000	16.000	16.000
JUL	15.000	17.000	18.000	18.000	18.000	19.000
AUG	16.000	I SM	16.000	16.000	18.000	17.000
SEP	15.000	16.000	16.000	17.000	17.000	16.000
OCT	15.000	15.000	15.000	16.000	16.000	16.000
NOV	16.000	16.000	15.000	16.000	15.000	16.000
DEC	15.000	16.000	14.000	15.000	15.000	15.000
BORON (U	i/L)			DET'N LIMIT = 0.	200 GUIDELINE	= 5000. (A1)
JAN	36.000	34.000	46.000	34.000	37.000	42.000
FEB	45.000	20.000 <1	62.000	47.000		
	41.000	59.000				•
MAR	47.000	46.000	66.000	56.000	53.000	45.000
APR	93.000	59.000	150.000	100.000	69.000	35.000
MAY	120.000	140.000	160.000	120.000	82.000	26.000
JUN	29.000	29.000	40.000	26.000	27.000	27.000
JUL	41.000	41.000	45.000	26.000	40.000	28.000
AUG	36.000	!SH	52.000	39.000	34.000	37.000
SEP	30.000	33.000	46.000	25.000	40.000	30.000
OCT	22.000	16.000 <1	19.000 <t< td=""><td>17.000 <t< td=""><td>16.000</td><td><t 15.000="" <t<="" td=""></t></td></t<></td></t<>	17.000 <t< td=""><td>16.000</td><td><t 15.000="" <t<="" td=""></t></td></t<>	16.000	<t 15.000="" <t<="" td=""></t>
NOV	14.000 <	T 16.000 <t< td=""><td>29.000</td><td>16.000 <t< td=""><td>25.000</td><td>20.000 <t< td=""></t<></td></t<></td></t<>	29.000	16.000 <t< td=""><td>25.000</td><td>20.000 <t< td=""></t<></td></t<>	25.000	20.000 <t< td=""></t<>
DEC	11.000 <	T 12.000 <t< td=""><td>15.000 <t< td=""><td>13.000 <t< td=""><td>13.000</td><td><t 14.000="" <t<="" td=""></t></td></t<></td></t<></td></t<>	15.000 <t< td=""><td>13.000 <t< td=""><td>13.000</td><td><t 14.000="" <t<="" td=""></t></td></t<></td></t<>	13.000 <t< td=""><td>13.000</td><td><t 14.000="" <t<="" td=""></t></td></t<>	13.000	<t 14.000="" <t<="" td=""></t>
BERYLLIUM	(UG/L)	*************		DET'N LIMIT = 0.	010 GUIDELINE	= N/A
JAN	.060 <	T .040 <t< td=""><td>.040 <t< td=""><td>BOL</td><td>.040</td><td><t .050="" <t<="" td=""></t></td></t<></td></t<>	.040 <t< td=""><td>BOL</td><td>.040</td><td><t .050="" <t<="" td=""></t></td></t<>	BOL	.040	<t .050="" <t<="" td=""></t>
FEB	.080 <			.130 <t< td=""><td></td><td></td></t<>		
	.040 <					
MAR	.130 <	T .050 <t< td=""><td></td><td>.060 <t< td=""><td>.030</td><td></td></t<></td></t<>		.060 <t< td=""><td>.030</td><td></td></t<>	.030	
APR	.090 <			.220 <t< td=""><td>.140</td><td></td></t<>	.140	
HAY	.270 <	T .280 <t< td=""><td></td><td>BDL</td><td>.190</td><td></td></t<>		BDL	.190	
JUN	BOL	.030 <7		BOL	.090	
JUL	.020 <		BDL	BOL	.030	
AUG	.140 <		.070 <t< td=""><td>.040 <t< td=""><td>.100</td><td></td></t<></td></t<>	.040 <t< td=""><td>.100</td><td></td></t<>	.100	
SEP	8DL	BOL	.020 <t< td=""><td>BOL</td><td>BDL</td><td>BOL</td></t<>	BOL	BDL	BOL
OCT	.020 <		BOL	BOL	BOL	BOL
NOV	BDL	BDL	BOL	BOL	.020	
DEC	BDL	BDL	BDL	BOL	BOL	BOL
CADMIUM (JG/L)			DET'N LIMIT = 0.	050 GUIDELINE	= 5.000 (A1)
JAN	BDL	BOL	BOL	BOL	20.	801
FEB	BOL	BOL	.100 <t< td=""><td>BOL</td><td>BDL</td><td>BOL</td></t<>	BOL	BDL	BOL
	.070 <			BUL	•	•
	.070	070 <1		•		

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAR	.070 <t< td=""><td>BDL</td><td>.170 <</td><td>T .120 <t< td=""><td>.140 <7</td><td>.080 <t< td=""></t<></td></t<></td></t<>	BDL	.170 <	T .120 <t< td=""><td>.140 <7</td><td>.080 <t< td=""></t<></td></t<>	.140 <7	.080 <t< td=""></t<>
APR	.080 <t< td=""><td>BOL</td><td>BOL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BOL	BOL	BDL	BDL	BDL
MAY	.070 <t< td=""><td>BOL</td><td>BOL</td><td>BOL</td><td>BDL</td><td>BOL</td></t<>	BOL	BOL	BOL	BDL	BOL
JUN	.120 <t< td=""><td>BOL</td><td>.100 <</td><td>T BOL</td><td>BOL</td><td>BDL</td></t<>	BOL	.100 <	T BOL	BOL	BDL
JUL	BDL	BOL	.150 <	T BOL	.110 <t< td=""><td>BOL</td></t<>	BOL
AUG	BDL	I SM	.200 <	T BOL	BDL	BDL
SEP	BDL	BDL	BOL	BOL	BDL	BDL
OCT	BOL	BDL	BDL	BOL	BDL	BDL
NOV	BDL	BOL	BOL	BDL	BDL	BOL
DEC	BOL	BDL	.190 <	T BOL	BOL	BDL
COBALT (UG	i/L)			DET'N LIMIT = 0.	020 GUIDELINE =	N/A
JAN	.260 <t< td=""><td>.190 <7</td><td>.160 <</td><td>T .150 <t< td=""><td>.150 <7</td><td>.280 <7</td></t<></td></t<>	.190 <7	.160 <	T .150 <t< td=""><td>.150 <7</td><td>.280 <7</td></t<>	.150 <7	.280 <7
FEB	.210 <t< td=""><td>.190 <t< td=""><td>.180 <</td><td>T> .140 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.190 <t< td=""><td>.180 <</td><td>T> .140 <t< td=""><td></td><td></td></t<></td></t<>	.180 <	T> .140 <t< td=""><td></td><td></td></t<>		
	.100 <t< td=""><td>.090 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.090 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAR	.190 <t< td=""><td>.160 <t< td=""><td>.180 <</td><td>T .150 <t< td=""><td>.160 <t< td=""><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.160 <t< td=""><td>.180 <</td><td>T .150 <t< td=""><td>.160 <t< td=""><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<>	.180 <	T .150 <t< td=""><td>.160 <t< td=""><td>.120 <t< td=""></t<></td></t<></td></t<>	.160 <t< td=""><td>.120 <t< td=""></t<></td></t<>	.120 <t< td=""></t<>
APR	.050 <t< td=""><td>.070 <7</td><td>.110 <</td><td>T .050 <t< td=""><td>.060 <7</td><td>.100 <t< td=""></t<></td></t<></td></t<>	.070 <7	.110 <	T .050 <t< td=""><td>.060 <7</td><td>.100 <t< td=""></t<></td></t<>	.060 <7	.100 <t< td=""></t<>
NAY	.170 <t< td=""><td>.280 <t< td=""><td>.220 <</td><td>T .150 <t< td=""><td>.180 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.280 <t< td=""><td>.220 <</td><td>T .150 <t< td=""><td>.180 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<></td></t<>	.220 <	T .150 <t< td=""><td>.180 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<>	.180 <t< td=""><td>.140 <t< td=""></t<></td></t<>	.140 <t< td=""></t<>
JUN	.200 <7	.160 <t< td=""><td>.170 <</td><td>T .120 <t< td=""><td>.180 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<></td></t<>	.170 <	T .120 <t< td=""><td>.180 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<>	.180 <t< td=""><td>.140 <t< td=""></t<></td></t<>	.140 <t< td=""></t<>
JUL	22.000	.270 <t< td=""><td>.200 <</td><td>T .250 <t< td=""><td>.200 <t< td=""><td>.240 <t< td=""></t<></td></t<></td></t<></td></t<>	.200 <	T .250 <t< td=""><td>.200 <t< td=""><td>.240 <t< td=""></t<></td></t<></td></t<>	.200 <t< td=""><td>.240 <t< td=""></t<></td></t<>	.240 <t< td=""></t<>
AUG	.120 <t< td=""><td>I SM</td><td>.140 <</td><td></td><td>.090 <t< td=""><td>.070 <7</td></t<></td></t<>	I SM	.140 <		.090 <t< td=""><td>.070 <7</td></t<>	.070 <7
SEP	.200 <t< td=""><td>.100 <t< td=""><td>.130 <</td><td></td><td>.170 <t< td=""><td>.120 <7</td></t<></td></t<></td></t<>	.100 <t< td=""><td>.130 <</td><td></td><td>.170 <t< td=""><td>.120 <7</td></t<></td></t<>	.130 <		.170 <t< td=""><td>.120 <7</td></t<>	.120 <7
OCT	.140 <t< td=""><td>.090 <t< td=""><td>.090 <</td><td></td><td>.110 <t< td=""><td>.070 <t< td=""></t<></td></t<></td></t<></td></t<>	.090 <t< td=""><td>.090 <</td><td></td><td>.110 <t< td=""><td>.070 <t< td=""></t<></td></t<></td></t<>	.090 <		.110 <t< td=""><td>.070 <t< td=""></t<></td></t<>	.070 <t< td=""></t<>
NOV	.250 <7	.060 <t< td=""><td>.230 <</td><td>T BOL</td><td>.110 <7</td><td>BDL</td></t<>	.230 <	T BOL	.110 <7	BDL
DEC	.140 <t< td=""><td>.140 <7</td><td>.140 <</td><td></td><td>.110 <t< td=""><td>.320 <7</td></t<></td></t<>	.140 <7	.140 <		.110 <t< td=""><td>.320 <7</td></t<>	.320 <7
CHROMIUM (UG/L)			DET'N LIMIT = 0.	.100 GUIDELINE =	50. (A1)
JAN	4.300	3.800	4.100	3.700	4.200	4.000
FEB	6.700	.820 <t< td=""><td>3,900</td><td>6.700</td><td></td><td></td></t<>	3,900	6.700		
	4.600	6.700				
MAR	5.500	4.600	5.300	5.800	5.500	4.400
APR	3.400	1,800	5.300	3,700	2.500	.920 <7
MAY	5.300	6.000	5.400	5,000	3,300	.770 <1
JUN	4.100	3.700	3,200	2,700	3,100	3,100
JUL	5.000	4.300	3,900	1,700	4.100	3.800
AUG	4.300	ISM	4,100	4,500	3.700	4.200
SEP	2.800	2.800	2.900	1,300	2.600	2.400
OCT	3.400	.160 <t< td=""><td>2.100</td><td>.790 <t< td=""><td>BDL</td><td>BOL</td></t<></td></t<>	2.100	.790 <t< td=""><td>BDL</td><td>BOL</td></t<>	BDL	BOL
NOV	BDL	BDL	BOL	BDL	1.800	.580 <t< td=""></t<>
DEC	BOL	BOL	BOL	BOL	BDL	BOL
OPPER (UG	/L)			DET'N LIMIT = .1	100 GUIDELINE =	1000 (A3)
JAN	2,200	1,200	93.000	4.800	14.000	7.100
FEB	1.400	1,100	110.000	4.100	14.000	
1.0	16.000	.710 <t< td=""><td>110.000</td><td>4.100</td><td>•</td><td></td></t<>	110.000	4.100	•	
HAR	2.700	1.000 <7	170.000	5.900	15.000	6.300
APR		1.300 <1				7.700
APK	3.900	1.300	130.000	6.200	29.000	7.700

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TF	EATED	SITE 1		SITE 2	
				STANDING	FREE FLOW	STANDING	FREE FLOW
HAY	2.600		1.400	98.000	5.600	16.000	7.700
JUN	2.800		1.700	110.000	7.100	36.000	8.500
JUL	6.800		1.800	89.000	5.000	27.000	6.500
AUG	2.600		ISM	96.000	8.800	20.000	5.800
SEP	2.700		1.900	95.000	5.500	31.000	7.700
OCT	2.000		1.300	23.000	7.100	20.000	5.700
NOV	2.300		1.500	9.200	3.600	21,000	5.000
DEC	3.100	<1	1.100 <1	57.000	4.800 <t< td=""><td>25.000</td><td>5.000 <t< td=""></t<></td></t<>	25.000	5.000 <t< td=""></t<>
IRON (UG/	L)				DET'N LIMIT = 4.000	O GUIDELINE =	300. (A3)
JAN	110.000	4	9.000 <1	150.000	130.000	77.000	66.000
FEB	20.000	<t< td=""><td>5.900 <1</td><td>100.000</td><td>77.000</td><td></td><td></td></t<>	5.900 <1	100.000	77.000		
	64.000		BDL		•		
MAR	34.000	<t< td=""><td>6.800 <1</td><td>97,000</td><td>75.000</td><td>54.000</td><td>12.000 <t< td=""></t<></td></t<>	6.800 <1	97,000	75.000	54.000	12.000 <t< td=""></t<>
APR	28.000	<t 1<="" td=""><td>7.000 <1</td><td>72.000</td><td>41.000 <t< td=""><td>17.000 <1</td><td>88.000</td></t<></td></t>	7.000 <1	72.000	41.000 <t< td=""><td>17.000 <1</td><td>88.000</td></t<>	17.000 <1	88.000
HAY	52.000		8.300 <1	83.000	47.000 <t< td=""><td>68.000</td><td>24.000 <t< td=""></t<></td></t<>	68.000	24.000 <t< td=""></t<>
JUN	63.000	1	0.000 <7	51.000	30.000 <t< td=""><td>25.000 <1</td><td>46.000 <t< td=""></t<></td></t<>	25.000 <1	46.000 <t< td=""></t<>
JUL	84.000	1	1.000 <7	130.000	130.000	37.000 <1	60.000
AUG	59.000		1SM	84.000	49.000 <t< td=""><td>19.000 <1</td><td>31.000 <t< td=""></t<></td></t<>	19.000 <1	31.000 <t< td=""></t<>
SEP	100.000	1	5.000 <1	110.000	81.000	130.000	56.000
OCT	120.000		8.300 <1	130.000	60.000	30.000 <1	44.000 <t< td=""></t<>
NOV	45.000	<t< td=""><td>9.000 <t< td=""><td>90.000</td><td>60.000</td><td>74.000</td><td>33.000 <t< td=""></t<></td></t<></td></t<>	9.000 <t< td=""><td>90.000</td><td>60.000</td><td>74.000</td><td>33.000 <t< td=""></t<></td></t<>	90.000	60.000	74.000	33.000 <t< td=""></t<>
DEC	55.000	<1	9.000 <1	220.000	110.000	67.000	44.000 <t< td=""></t<>
MERCURY (UG/L)				DET'N LIMIT = 0.010	GUIDELINE =	1.000 (A1)
JAN	.040	<t< td=""><td>.020 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<></td></t<>	.020 <t< td=""><td></td><td>BOL</td><td></td><td>BOL</td></t<>		BOL		BOL
FEB	BDL		BOL		.050 <t< td=""><td></td><td></td></t<>		
	.040	<t< td=""><td>BDL</td><td></td><td>•</td><td></td><td></td></t<>	BDL		•		
MAR	.020	<t< td=""><td>.020 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>BDL</td></t<></td></t<></td></t<>	.020 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>BDL</td></t<></td></t<>		.020 <t< td=""><td></td><td>BDL</td></t<>		BDL
APR	.030	<t< td=""><td>.040 <t< td=""><td></td><td>.040 <t< td=""><td></td><td>BDL</td></t<></td></t<></td></t<>	.040 <t< td=""><td></td><td>.040 <t< td=""><td></td><td>BDL</td></t<></td></t<>		.040 <t< td=""><td></td><td>BDL</td></t<>		BDL
MAY	.020	<t< td=""><td>.030 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>BOL</td></t<></td></t<></td></t<>	.030 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.020 <t< td=""><td></td><td>BOL</td></t<>		BOL
JUN	.040	<t< td=""><td>.040 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>.020 <t< td=""></t<></td></t<></td></t<></td></t<>	.040 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>.020 <t< td=""></t<></td></t<></td></t<>		.020 <t< td=""><td></td><td>.020 <t< td=""></t<></td></t<>		.020 <t< td=""></t<>
JUL	.030	<t< td=""><td>.040 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>.030 <t< td=""></t<></td></t<></td></t<></td></t<>	.040 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>.030 <t< td=""></t<></td></t<></td></t<>		.020 <t< td=""><td></td><td>.030 <t< td=""></t<></td></t<>		.030 <t< td=""></t<>
AUG	.020	<t< td=""><td>BDL</td><td></td><td>.030 <t< td=""><td></td><td>BDL</td></t<></td></t<>	BDL		.030 <t< td=""><td></td><td>BDL</td></t<>		BDL
SEP	BDL		BDL		.040 <t< td=""><td></td><td>.030 <t< td=""></t<></td></t<>		.030 <t< td=""></t<>
OCT	.020	<t< td=""><td>BOL</td><td></td><td>.040 <t< td=""><td></td><td>BDL</td></t<></td></t<>	BOL		.040 <t< td=""><td></td><td>BDL</td></t<>		BDL
NOV	.020	<t< td=""><td>BDL</td><td></td><td>BOL</td><td></td><td>IRE</td></t<>	BDL		BOL		IRE
DEC	BDL		.020 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.020 <t< td=""><td></td><td>BOL</td></t<>		BOL
MANGANESE	(UG/L)	*****		DET'N LIMIT = .050	GUIDELINE =	50.0 (A3)
JAN	4.300		.460 <t< td=""><td>10.000</td><td>9.300</td><td>8.100</td><td>4.300</td></t<>	10.000	9.300	8.100	4.300
FEB	1.800		.360 <t< td=""><td>8.900</td><td>6.500</td><td></td><td></td></t<>	8.900	6.500		
	3.600		.180 <t< td=""><td></td><td></td><td></td><td></td></t<>				
HAR	1.700		.360 <t< td=""><td>7.900</td><td>5.500</td><td>5.800</td><td>1,900</td></t<>	7.900	5.500	5.800	1,900
APR	2.000		.370 <7		3.800	3,500	11.000
HAY	2.700		.400 <t< td=""><td></td><td>5.200</td><td>8,400</td><td>3.600</td></t<>		5.200	8,400	3.600
	3.800						

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JUL	22,000	.610	6.500	8,200	5.300	8.500
AUG	3,400	I SN	3.700	4,100	5.900	5,900
SEP	4.400	.640	8,600	17.000	16,000	8,500
OCT	4.500	.430 <t< td=""><td></td><td>5.300</td><td>2.400</td><td>4.600</td></t<>		5.300	2.400	4.600
NOV	2.500	.310 <t< td=""><td>11.000</td><td>7,700</td><td>13.000</td><td>4.400</td></t<>	11.000	7,700	13.000	4.400
DEC	2.400	.320 <7	18.000	10.000	9.200	4.600
MOLYBOENUM	(UG/L)			DET'N LIMIT = 0.	020 GUIDELINE =	N/A
JAN	.410 <t< td=""><td></td><td>.430 <1</td><td></td><td>.420 <1</td><td>.450 <t< td=""></t<></td></t<>		.430 <1		.420 <1	.450 <t< td=""></t<>
FEB	.770	.830	.740	.720	•	•
	. 600	.680	•	•	•	•
MAR	.680	.730	.760	.690	.710	.790
APR	.820	.790	.780	.820	.800	.800
MAY	.800	. <i>7</i> 50	.740	.730	.740	.720
JUN	.840	.800	.780	.790	.820	.880
JUL	1.100	1.000	.980	1.100	1.000	.820
AUG	.660	! SH	.700	.740	.710	.720
SEP	.740	.780	.820	.750	.710	.760
OCT	.520	.600	.430 <t< td=""><td></td><td>.460 ,<1</td><td></td></t<>		.460 ,<1	
NOV	.500 <t< td=""><td>.500 <t< td=""><td>.560</td><td>.460 <t< td=""><td>.430 <1</td><td></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.560</td><td>.460 <t< td=""><td>.430 <1</td><td></td></t<></td></t<>	.560	.460 <t< td=""><td>.430 <1</td><td></td></t<>	.430 <1	
DEC	.440 <t< td=""><td>.380 <t< td=""><td>.460 <t< td=""><td>.440 <t< td=""><td>.440 <1</td><td>7> .390 < 7</td></t<></td></t<></td></t<></td></t<>	.380 <t< td=""><td>.460 <t< td=""><td>.440 <t< td=""><td>.440 <1</td><td>7> .390 < 7</td></t<></td></t<></td></t<>	.460 <t< td=""><td>.440 <t< td=""><td>.440 <1</td><td>7> .390 < 7</td></t<></td></t<>	.440 <t< td=""><td>.440 <1</td><td>7> .390 < 7</td></t<>	.440 <1	7> .390 < 7
NICKEL (UG	/L)			DET'N LIMIT = 0.	100 GUIDELINE =	50. (F3)
JAN	1.200 <t< td=""><td>.890 <7</td><td>1.300 <t< td=""><td>.670 <7</td><td>1.800 <1</td><td>1.500 <t< td=""></t<></td></t<></td></t<>	.890 <7	1.300 <t< td=""><td>.670 <7</td><td>1.800 <1</td><td>1.500 <t< td=""></t<></td></t<>	.670 <7	1.800 <1	1.500 <t< td=""></t<>
FEB	.970 <t< td=""><td>.290 <t< td=""><td>1.300 <t< td=""><td>.630 <7</td><td></td><td></td></t<></td></t<></td></t<>	.290 <t< td=""><td>1.300 <t< td=""><td>.630 <7</td><td></td><td></td></t<></td></t<>	1.300 <t< td=""><td>.630 <7</td><td></td><td></td></t<>	.630 <7		
						•
	.780 <t< td=""><td>.820 <t< td=""><td></td><td></td><td></td><td>•</td></t<></td></t<>	.820 <t< td=""><td></td><td></td><td></td><td>•</td></t<>				•
HAR	.780 <t 1.200 <t< td=""><td>.820 <t 1.100 <t< td=""><td></td><td></td><td>1.000 <1</td><td></td></t<></t </td></t<></t 	.820 <t 1.100 <t< td=""><td></td><td></td><td>1.000 <1</td><td></td></t<></t 			1.000 <1	
MAR APR			•	.500 <t< td=""><td>1.000 <1 1.300 <1</td><td>.410 <t< td=""></t<></td></t<>	1.000 <1 1.300 <1	.410 <t< td=""></t<>
	1.200 <t< td=""><td>1.100 <t< td=""><td>1.600 <t< td=""><td>.500 <t .420 <t< td=""><td></td><td>410 <t 800 <t< td=""></t<></t </td></t<></t </td></t<></td></t<></td></t<>	1.100 <t< td=""><td>1.600 <t< td=""><td>.500 <t .420 <t< td=""><td></td><td>410 <t 800 <t< td=""></t<></t </td></t<></t </td></t<></td></t<>	1.600 <t< td=""><td>.500 <t .420 <t< td=""><td></td><td>410 <t 800 <t< td=""></t<></t </td></t<></t </td></t<>	.500 <t .420 <t< td=""><td></td><td>410 <t 800 <t< td=""></t<></t </td></t<></t 		410 <t 800 <t< td=""></t<></t
APR	1.200 <t .840 <t< td=""><td>1.100 <t .540 <t< td=""><td>1.600 <t 1.400 <t< td=""><td>.500 <t .420 <t< td=""><td>1.300 <1</td><td>410 <t 800 <t 1 .200 <t< td=""></t<></t </t </td></t<></t </td></t<></t </td></t<></t </td></t<></t 	1.100 <t .540 <t< td=""><td>1.600 <t 1.400 <t< td=""><td>.500 <t .420 <t< td=""><td>1.300 <1</td><td>410 <t 800 <t 1 .200 <t< td=""></t<></t </t </td></t<></t </td></t<></t </td></t<></t 	1.600 <t 1.400 <t< td=""><td>.500 <t .420 <t< td=""><td>1.300 <1</td><td>410 <t 800 <t 1 .200 <t< td=""></t<></t </t </td></t<></t </td></t<></t 	.500 <t .420 <t< td=""><td>1.300 <1</td><td>410 <t 800 <t 1 .200 <t< td=""></t<></t </t </td></t<></t 	1.300 <1	410 <t 800 <t 1 .200 <t< td=""></t<></t </t
APR MAY	1.200 <t .840 <t 1.400 <t< td=""><td>1.100 <t .540 <t 1.300 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t< td=""><td>1.300 <1 1.600 <1</td><td>410 <t 800 <t 1 .200 <t< td=""></t<></t </t </td></t<></t </t </t </td></t<></t </t </td></t<></t </t </td></t<></t </t 	1.100 <t .540 <t 1.300 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t< td=""><td>1.300 <1 1.600 <1</td><td>410 <t 800 <t 1 .200 <t< td=""></t<></t </t </td></t<></t </t </t </td></t<></t </t </td></t<></t </t 	1.600 <t 1.400 <t 1.800 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t< td=""><td>1.300 <1 1.600 <1</td><td>410 <t 800 <t 1 .200 <t< td=""></t<></t </t </td></t<></t </t </t </td></t<></t </t 	.500 <t .420 <t 1.400 <t .680 <t< td=""><td>1.300 <1 1.600 <1</td><td>410 <t 800 <t 1 .200 <t< td=""></t<></t </t </td></t<></t </t </t 	1.300 <1 1.600 <1	410 <t 800 <t 1 .200 <t< td=""></t<></t </t
APR MAY JUN	1.200 <t .840 <t 1.400 <t 1.400 <t< td=""><td>1.100 <t .540 <t 1.300 <t 1.100 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100</t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1</td><td>410 <t .1.200="" .800="" .80l<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </td></t<></t </t </t </td></t<></t </t </t 	1.100 <t .540 <t 1.300 <t 1.100 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100</t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1</td><td>410 <t .1.200="" .800="" .80l<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </td></t<></t </t </t 	1.600 <t 1.400 <t 1.800 <t 2.100</t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1</td><td>410 <t .1.200="" .800="" .80l<="" .960="" <t="" td=""></t></td></t<></t </t </t </t 	1.300 <1 1.600 <1 1.200 <1	410 <t .1.200="" .800="" .80l<="" .960="" <t="" td=""></t>
APR MAY JUN JUL	1.200 <t .840 <t 1.400 <t 1.400 <t 1.800 <t< td=""><td>1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000</t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600</td><td></td></t<></t </t </t </t </t </td></t<></t </t </t </t </td></t<></t </t </t </t 	1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000</t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600</td><td></td></t<></t </t </t </t </t </td></t<></t </t </t </t 	1.600 <t 1.400 <t 1.800 <t 2.100 5.000</t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600</td><td></td></t<></t </t </t </t </t 	1.300 <1 1.600 <1 1.200 <1 2.600	
APR MAY JUN JUL AUG	1.200 <t .840 <t 1.400 <t 1.400 <t 1.800 <t .820 <t< td=""><td>1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t ISM</t </t </t </t </t </td><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400</t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1</td><td>.410 <t .200="" .800="" .801<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </td></t<></t </t </t </t </t 	1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t ISM</t </t </t </t </t 	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400</t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1</td><td>.410 <t .200="" .800="" .801<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t 	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1	.410 <t .200="" .800="" .801<="" .960="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP	1.200 <t .840 <t 1.400 <t 1.400 <t 1.800 <t .820 <t 1.100 <t< td=""><td>1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t 1SM 1.200 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1</td><td>.410 <t .200="" .320="" .800="" .80l="" .810="" .960="" .<="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </td></t<></t </t </t </t </t </td></t<></t </t </t </t </t </t 	1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t 1SM 1.200 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1</td><td>.410 <t .200="" .320="" .800="" .80l="" .810="" .960="" .<="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </td></t<></t </t </t </t </t 	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1</td><td>.410 <t .200="" .320="" .800="" .80l="" .810="" .960="" .<="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </td></t<></t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1</td><td>.410 <t .200="" .320="" .800="" .80l="" .810="" .960="" .<="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t 	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1	.410 <t .200="" .320="" .800="" .80l="" .810="" .960="" .<="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT	1.200 <t .840 <t 1.400 <t 1.400 <t 1.800 <t .820 <t 1.100 <t .770 <t< td=""><td>1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t 1SM 1.200 <t .750 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1</td><td>.410 <t .430="" .800="" .810="" .960="" <<="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </t </td></t<></t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t 	1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t 1SM 1.200 <t .750 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1</td><td>.410 <t .430="" .800="" .810="" .960="" <<="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </t </td></t<></t </t </t </t </t </t 	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1</td><td>.410 <t .430="" .800="" .810="" .960="" <<="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1</td><td>.410 <t .430="" .800="" .810="" .960="" <<="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t 	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1	.410 <t .430="" .800="" .810="" .960="" <<="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT NOV	1.200 <t .840 <t 1.400 <t 1.400 <t 1.800 <t .820 <t 1.100 <t .770 <t .520 <t .750 <t< td=""><td>1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t 1SM 1.200 <t .750 <t .520 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1</td><td>410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t </td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t </t </t 	1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t 1SM 1.200 <t .750 <t .520 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1</td><td>410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t </td></t<></t </t </t </t </t </t </t 	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1</td><td>410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1</td><td>410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t 	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1	410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT NOV DEC	1.200 <t .840 <t 1.400 <t 1.400 <t 1.800 <t .820 <t 1.100 <t .770 <t .520 <t .750 <t< td=""><td>1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t 1SM 1.200 <t .750 <t .520 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1</td><td>410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t </td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t </t </t 	1.100 <t .540 <t 1.300 <t 1.100 <t 1.600 <t 1SM 1.200 <t .750 <t .520 <t< td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1</td><td>410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t </td></t<></t </t </t </t </t </t </t 	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t< td=""><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1</td><td>410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t< td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1</td><td>410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t 	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1	410 <t .800="" .810="" .810<="" .960="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT NOV DEC	1.200 <t .840 <t 1.400 <t 1.400 <t 1.800 <t .820 <t 1.100 <t .770 <t .520 <t< td=""><td>1.100 <t .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" 1sm="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t .870 <t< td=""><td>1.300 <1 1.600 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1</td><td>.410 <t .200="" .430="" .690="" .800="" .80l="" .80l<="" .810="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </t </td></t></td></t<></t </t </t </t </t </t </t </t 	1.100 <t .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" 1sm="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t .870 <t< td=""><td>1.300 <1 1.600 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1</td><td>.410 <t .200="" .430="" .690="" .800="" .80l="" .80l<="" .810="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </t </td></t>	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t .870 <t< td=""><td>1.300 <1 1.600 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1</td><td>.410 <t .200="" .430="" .690="" .800="" .80l="" .80l<="" .810="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </t 	1.300 <1 1.600 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1	.410 <t .200="" .430="" .690="" .800="" .80l="" .80l<="" .810="" .960="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT NOV DEC LEAD (UG/L	1.200 <t .520="" .750="" .840="" 1.400="" 1.770="" 1.800="" <t="" <t<="" td=""><td>1.100 <t .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" 15m="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t .870 <t< td=""><td>1.300 <1 1.600 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1</td><td>.410 <t .200="" .430="" .690="" .800="" .80l="" .80l<="" .810="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </t </td></t></td></t>	1.100 <t .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" 15m="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t </td><td>.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t .870 <t< td=""><td>1.300 <1 1.600 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1</td><td>.410 <t .200="" .430="" .690="" .800="" .80l="" .80l<="" .810="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </t </td></t>	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t 	.500 <t .420 <t 1.400 <t .680 <t 1.400 <t .610 <t 1.100 <t .460 <t .510 <t .870 <t< td=""><td>1.300 <1 1.600 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1</td><td>.410 <t .200="" .430="" .690="" .800="" .80l="" .80l<="" .810="" .960="" <t="" td=""></t></td></t<></t </t </t </t </t </t </t </t </t 	1.300 <1 1.600 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1	.410 <t .200="" .430="" .690="" .800="" .80l="" .80l<="" .810="" .960="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT NOV DEC LEAD (UG/L	1.200 <t .520="" .750="" .770="" .840="" 1.100="" 1.400="" 1.800="" <t="" <t<="" td=""><td>1.100 <t .130="" .320="" .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.5m="" 1.600="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t </td><td>.500 <t .420="" .510="" .610="" .680="" .870="" 1.100="" 1.400="" <t="" limit="0.</td" oet'n=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 900 <1 BDL 1.900 <1 .500 GUIDELINE = .420</td><td>.410 <t .800="" .810="" .960="" <<="" <t="" td=""></t></td></t></td></t></td></t>	1.100 <t .130="" .320="" .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.5m="" 1.600="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t </td><td>.500 <t .420="" .510="" .610="" .680="" .870="" 1.100="" 1.400="" <t="" limit="0.</td" oet'n=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 900 <1 BDL 1.900 <1 .500 GUIDELINE = .420</td><td>.410 <t .800="" .810="" .960="" <<="" <t="" td=""></t></td></t></td></t>	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t 	.500 <t .420="" .510="" .610="" .680="" .870="" 1.100="" 1.400="" <t="" limit="0.</td" oet'n=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 900 <1 BDL 1.900 <1 .500 GUIDELINE = .420</td><td>.410 <t .800="" .810="" .960="" <<="" <t="" td=""></t></td></t>	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 900 <1 BDL 1.900 <1 .500 GUIDELINE = .420	.410 <t .800="" .810="" .960="" <<="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT NOV DEC LEAD (UG/L JAM FEB	1.200 <t .460="" .520="" .710="" .840="" 1.400="" 1.800="" 1.900<="" 7.750="" 7.770="" <t="" td=""><td>1.100 <t .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" 1sm="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t </td><td>.500 <t .110="" .420="" .460="" .510="" .610="" .680="" .870="" .<="" 1.100="" 1.400="" <t="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1</td><td>410 <t .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t></td></t></td></t>	1.100 <t .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" 1sm="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t </td><td>.500 <t .110="" .420="" .460="" .510="" .610="" .680="" .870="" .<="" 1.100="" 1.400="" <t="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1</td><td>410 <t .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t></td></t>	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000</t </t </t </t </t </t 	.500 <t .110="" .420="" .460="" .510="" .610="" .680="" .870="" .<="" 1.100="" 1.400="" <t="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1</td><td>410 <t .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t>	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1	410 <t .800="" .800<="" .810="" .960="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT NOV DEC LEAD (UG/L JAM FEB MAR	1.200 <t .520="" .550<="" .710="" .750="" .770="" .820="" .840="" 1.100="" 1.400="" 1.800="" 1.900="" <t="" td=""><td>1.100 <t .130="" .160="" .320="" .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.5m="" 1.600="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000 3.300 3.500 2.700 2.000</t </t </t </t </t </t </td><td>.500 <t .060="" .110="" .130="" .420="" .460="" .510="" .610="" .870="" 1.100="" 1.400="" <t="" <t<="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 .900</td><td>410 <t .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t></td></t></td></t>	1.100 <t .130="" .160="" .320="" .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.5m="" 1.600="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000 3.300 3.500 2.700 2.000</t </t </t </t </t </t </td><td>.500 <t .060="" .110="" .130="" .420="" .460="" .510="" .610="" .870="" 1.100="" 1.400="" <t="" <t<="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 .900</td><td>410 <t .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t></td></t>	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000 3.300 3.500 2.700 2.000</t </t </t </t </t </t 	.500 <t .060="" .110="" .130="" .420="" .460="" .510="" .610="" .870="" 1.100="" 1.400="" <t="" <t<="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 .900</td><td>410 <t .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t>	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900	410 <t .800="" .800<="" .810="" .960="" <t="" td=""></t>
APR MAY JUN JUL AUG SEP OCT NOV DEC LEAD (UG/L JAM FEB MAR APR	1.200 <t .520="" .550="" .710="" .750="" .770="" .820="" .840="" .890<="" .940="" 1.100="" 1.400="" 1.800="" 1.900="" <t="" td=""><td>1.100 <t .070="" .130="" .160="" .320="" .520="" .540="" .7070="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" <t="" <t<="" ism="" td=""><td>1.600 <t 1.400="" 1.800="" 1.900="" 2.000="" 2.100="" 2.400="" 2.700="" 3.100<="" 3.300="" 3.500="" 5.000="" 51.000="" <t="" td=""><td>.500 <t .060="" .110="" .130="" .220<="" .420="" .460="" .510="" .610="" .680="" .870="" 1.100="" 1.400="" <t="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <</td><td></td></t></td></t></td></t></td></t>	1.100 <t .070="" .130="" .160="" .320="" .520="" .540="" .7070="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" <t="" <t<="" ism="" td=""><td>1.600 <t 1.400="" 1.800="" 1.900="" 2.000="" 2.100="" 2.400="" 2.700="" 3.100<="" 3.300="" 3.500="" 5.000="" 51.000="" <t="" td=""><td>.500 <t .060="" .110="" .130="" .220<="" .420="" .460="" .510="" .610="" .680="" .870="" 1.100="" 1.400="" <t="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <</td><td></td></t></td></t></td></t>	1.600 <t 1.400="" 1.800="" 1.900="" 2.000="" 2.100="" 2.400="" 2.700="" 3.100<="" 3.300="" 3.500="" 5.000="" 51.000="" <t="" td=""><td>.500 <t .060="" .110="" .130="" .220<="" .420="" .460="" .510="" .610="" .680="" .870="" 1.100="" 1.400="" <t="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <</td><td></td></t></td></t>	.500 <t .060="" .110="" .130="" .220<="" .420="" .460="" .510="" .610="" .680="" .870="" 1.100="" 1.400="" <t="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <</td><td></td></t>	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <	
APR MAY JUN JUL AUG SEP OCT NOV DEC LEAD (UG/L JAM FEB MAR APR MAY	1.200 <t .520="" .750="" .770="" .840="" 1.400="" 1.520="" 1.800="" <t="" <t<="" td=""><td>1.100 <t .070="" .130="" .160="" .200="" .320="" .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" 1sm="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000 3.300 3.500 2.700 2.000</t </t </t </t </t </t </td><td>.500 <t .060="" .110="" .130="" .420="" .460="" .510="" .610="" .870="" 1.100="" 1.400="" <t="" <t<="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <1</td><td>410 <t .200="" .320="" .430="" .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t></td></t></td></t>	1.100 <t .070="" .130="" .160="" .200="" .320="" .520="" .540="" .750="" .810="" 1.100="" 1.200="" 1.300="" 1.600="" 1sm="" <t="" <t<="" td=""><td>1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000 3.300 3.500 2.700 2.000</t </t </t </t </t </t </td><td>.500 <t .060="" .110="" .130="" .420="" .460="" .510="" .610="" .870="" 1.100="" 1.400="" <t="" <t<="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <1</td><td>410 <t .200="" .320="" .430="" .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t></td></t>	1.600 <t 1.400 <t 1.800 <t 2.100 5.000 2.400 2.000 <t 2.000 <t 1.900 <t 51.000 3.300 3.500 2.700 2.000</t </t </t </t </t </t 	.500 <t .060="" .110="" .130="" .420="" .460="" .510="" .610="" .870="" 1.100="" 1.400="" <t="" <t<="" limit="0210" oet'n="" td=""><td>1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <1</td><td>410 <t .200="" .320="" .430="" .800="" .800<="" .810="" .960="" <t="" td=""></t></td></t>	1.300 <1 1.600 <1 1.200 <1 2.600 .620 <1 1.600 <1 .900 <1 BDL 1.900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1 .900 <1	410 <t .200="" .320="" .430="" .800="" .800<="" .810="" .960="" <t="" td=""></t>

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
			7 /00	//0	7 100	500
SEP	.900	.780	7.400	.440	3.100	.590
OCT	.500	.210	2.800	.420	.860	.280
NOV	.300	.270	.420	.160 <t .100 <t< td=""><td>.660 .670</td><td>.160 <t .090 <t< td=""></t<></t </td></t<></t 	.660 .670	.160 <t .090 <t< td=""></t<></t
DEC	.270 <ī	BOL	4.100	. 100 <1	.670	.090 1
ANTIMONY	(UG/L)			DET'N LIMIT = .050	GUIDELINE =	146. (D4)
JAN	.420	.400	.520	.500	.500	.630
FEB	.690	.720	.660	.730		
	.620	.600		•		
MAR	.690	.680	.690	.580	.610	.540
APR	.530	.500	.570	.400	.520	.620
HAY	.700	.940	.890	.730	.790	.730
JUN	.700	.930	.980	.930	.950	.890
JUL	39.000	,990	.750	.680	.810	.990
AUG	.880	! SH	1.000	.770	.920	.880
SEP	.500	.490	.580	.600	.610	.520
OCT	.520	.530	.560	.630	.530	.490
NOV	.870	.430	1,100	.440	.650	.480
DEC	.520	.370 <7	.520	.500 <t< td=""><td>.550</td><td>.500 <7</td></t<>	.550	.500 <7
SELENIUM	(UG/L)			DET'N LIMIT = 0.200	GUIDELINE =	10. (A1)
MAL	BOL	BOL	BOL	.330 <7	BOL	.580 <t< td=""></t<>
FEB	.840 <t< td=""><td>2.100 <t< td=""><td>2.300 <7</td><td>2.500 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<>	2.100 <t< td=""><td>2.300 <7</td><td>2.500 <t< td=""><td></td><td>•</td></t<></td></t<>	2.300 <7	2.500 <t< td=""><td></td><td>•</td></t<>		•
	2.800 <7	4.700 <7				
MAR	1.700 <t< td=""><td>2.200 <t< td=""><td>1.700 <t< td=""><td>4.100 <t< td=""><td>3.200 <1</td><td>2.700 <1</td></t<></td></t<></td></t<></td></t<>	2.200 <t< td=""><td>1.700 <t< td=""><td>4.100 <t< td=""><td>3.200 <1</td><td>2.700 <1</td></t<></td></t<></td></t<>	1.700 <t< td=""><td>4.100 <t< td=""><td>3.200 <1</td><td>2.700 <1</td></t<></td></t<>	4.100 <t< td=""><td>3.200 <1</td><td>2.700 <1</td></t<>	3.200 <1	2.700 <1
APR	2.700 <7	5.600 <t< td=""><td>4.700 <t< td=""><td>8.900 <t< td=""><td>5.900 <1</td><td>6.100 <t< td=""></t<></td></t<></td></t<></td></t<>	4.700 <t< td=""><td>8.900 <t< td=""><td>5.900 <1</td><td>6.100 <t< td=""></t<></td></t<></td></t<>	8.900 <t< td=""><td>5.900 <1</td><td>6.100 <t< td=""></t<></td></t<>	5.900 <1	6.100 <t< td=""></t<>
HAY	1.600 <t< td=""><td>1.500 <t< td=""><td>4.300 <t< td=""><td>2.900 <t< td=""><td>2.600 <1</td><td>3.100 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	1.500 <t< td=""><td>4.300 <t< td=""><td>2.900 <t< td=""><td>2.600 <1</td><td>3.100 <t< td=""></t<></td></t<></td></t<></td></t<>	4.300 <t< td=""><td>2.900 <t< td=""><td>2.600 <1</td><td>3.100 <t< td=""></t<></td></t<></td></t<>	2.900 <t< td=""><td>2.600 <1</td><td>3.100 <t< td=""></t<></td></t<>	2.600 <1	3.100 <t< td=""></t<>
JUN	BDL	1.400 <t< td=""><td>2.500 <t< td=""><td>3.000 <t< td=""><td>3.100 <1</td><td>3.700 <t< td=""></t<></td></t<></td></t<></td></t<>	2.500 <t< td=""><td>3.000 <t< td=""><td>3.100 <1</td><td>3.700 <t< td=""></t<></td></t<></td></t<>	3.000 <t< td=""><td>3.100 <1</td><td>3.700 <t< td=""></t<></td></t<>	3.100 <1	3.700 <t< td=""></t<>
JUL	1.800 <t< td=""><td>3.600 <t< td=""><td>3.300 <t< td=""><td>2.900 <t< td=""><td>5.500</td><td>3.800 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	3.600 <t< td=""><td>3.300 <t< td=""><td>2.900 <t< td=""><td>5.500</td><td>3.800 <t< td=""></t<></td></t<></td></t<></td></t<>	3.300 <t< td=""><td>2.900 <t< td=""><td>5.500</td><td>3.800 <t< td=""></t<></td></t<></td></t<>	2.900 <t< td=""><td>5.500</td><td>3.800 <t< td=""></t<></td></t<>	5.500	3.800 <t< td=""></t<>
AUG	BOL	1 SM	3.100 <t< td=""><td>3.000 <t< td=""><td>3.300 <1</td><td>4.600 <t< td=""></t<></td></t<></td></t<>	3.000 <t< td=""><td>3.300 <1</td><td>4.600 <t< td=""></t<></td></t<>	3.300 <1	4.600 <t< td=""></t<>
SEP	1.400 <t< td=""><td>1.800 <t< td=""><td>1.200 <7</td><td>1.500 <t< td=""><td>BOL</td><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<>	1.800 <t< td=""><td>1.200 <7</td><td>1.500 <t< td=""><td>BOL</td><td>1.300 <t< td=""></t<></td></t<></td></t<>	1.200 <7	1.500 <t< td=""><td>BOL</td><td>1.300 <t< td=""></t<></td></t<>	BOL	1.300 <t< td=""></t<>
OCT	BDL	BDL	1.100 <t< td=""><td>BOL</td><td>BOL</td><td>BDL</td></t<>	BOL	BOL	BDL
NOV	BDL	BDL	BDL	BDL	BOL	1.200 <t< td=""></t<>
DEC	BOL	1.100 <t< td=""><td>BOL</td><td>1.100 <t< td=""><td>BOL</td><td>BOL</td></t<></td></t<>	BOL	1.100 <t< td=""><td>BOL</td><td>BOL</td></t<>	BOL	BOL
STRONTIUM	(UG/L)			DET'N LIMIT = .050	GUIDELINE =	N/A
JAN	94.000	93.000	95.000	96.000	99.000	97.000
FEB	110.000	100.000	110.000	110.000		
	100.000	100.000				
HAR	100.000	100,000	110.000	110,000	110.000	110.000
APR	100.000	100.000	100.000	100.000	110.000	100.000
MAY	100.000	100.000	110.000	100.000	110,000	100.000
JUN	110.000	110.000	110,000	110.000	110,000	110.000
JUL	110.000	110.000	110,000	110.000	120,000	110.000
AUG	110,000	ISH	110.000	110.000	110.000	110.000
SEP	100.000	100.000	110,000	110.000	110.000	100.000
OCT	110.000	100.000	100.000	100.000	110.000	100.000
		1001000	100.000	100.000	110.000	100.000

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
NOV	100,000	100.000	100.000	100.000	100.000	100.000
DEC	100.000	110.000	110.000	100.000	100.000	110.000
TITANIUM (UG/L)			DET'N LIMIT = .050	GUIDELINE =	N/A
JAN	4.000	2.900	2.700	2.700	2.700	2.600
FEB	3.300	2.700	2.900	2.800		•
	4.800	4.100		•		•
MAR	4.700	3.100	3.300	3.100	3.000	3.200
APR	6.300	5.400	5.700	5.300	5.500	5.700
HAY	4.500	2.900	3.400	3.100	2.600	3.100
JUN	7.700	6.300	7.100	6.300	7.100	6.500
JUL	7.100	5.200	5.600	5.600	6.000	3.800
AUG	5.600	! SM	3.500	3.100	3.100	3.900
SEP	7.700	7.700	6.800	6.300	7.100	6.600
OCT	4.300	3.700	3.200	3.100	3.200	3.300
NOV	3.900	4.300	4.200	3.500	3.400	3.900
DEC	3.900 <t< td=""><td>3.400 <t< td=""><td>4.200 <t< td=""><td>3.600 <1</td><td>4.300 <t< td=""><td>4.200 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	3.400 <t< td=""><td>4.200 <t< td=""><td>3.600 <1</td><td>4.300 <t< td=""><td>4.200 <t< td=""></t<></td></t<></td></t<></td></t<>	4.200 <t< td=""><td>3.600 <1</td><td>4.300 <t< td=""><td>4.200 <t< td=""></t<></td></t<></td></t<>	3.600 <1	4.300 <t< td=""><td>4.200 <t< td=""></t<></td></t<>	4.200 <t< td=""></t<>
THALLIUM (UG/L)			DET'N LIMIT = .010	GUIDELINE =	13. (D4)
JAN	BOL	BDL	BOL	BOL	BDL	BOL
FEB	.020 <t< td=""><td>.090 <t< td=""><td>.090 <1</td><td>.080 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.090 <t< td=""><td>.090 <1</td><td>.080 <t< td=""><td></td><td></td></t<></td></t<>	.090 <1	.080 <t< td=""><td></td><td></td></t<>		
	BOL	BDL		•		
MAR	BDL	.040 <t< td=""><td>BDL</td><td>BOL</td><td>BDL</td><td>BDL</td></t<>	BDL	BOL	BDL	BDL
APR	BOL	BDL	BOL	BOL	BDL	BOL
HAY	.070 <1	BDL	BDL	.020 <t< td=""><td>.030 <t< td=""><td>BDL</td></t<></td></t<>	.030 <t< td=""><td>BDL</td></t<>	BDL
JUN	BDL	BDL	BOL	.060 <t< td=""><td>.040 <t< td=""><td>.050 <t< td=""></t<></td></t<></td></t<>	.040 <t< td=""><td>.050 <t< td=""></t<></td></t<>	.050 <t< td=""></t<>
JUL	BDL	BDL	BOL	BOL	BOL	BDL
AUG	.050 <t< td=""><td>1 SH</td><td>.080 <7</td><td>.060 <t< td=""><td>.020 <1</td><td></td></t<></td></t<>	1 SH	.080 <7	.060 <t< td=""><td>.020 <1</td><td></td></t<>	.020 <1	
SEP	BDL	BDL	BDL	BDL	.020 <t< td=""><td>BDL</td></t<>	BDL
OCT	.040 <t< td=""><td>BDL</td><td>.020 <1</td><td></td><td>BDL</td><td>BDL</td></t<>	BDL	.020 <1		BDL	BDL
NOV	BDL	BDL	BOL	BDL	.020 <t< td=""><td></td></t<>	
DEC	BOL	BOL	BOL	BDL	BDL	BOL
URANIUM (U	IG/L)			DET'N LIMIT = .020	GUIDELINE =	100.(B1)
MAL	.280	.090 <t< td=""><td>.060 <1</td><td>.070 <t< td=""><td>.050 <t< td=""><td>.060 <t< td=""></t<></td></t<></td></t<></td></t<>	.060 <1	.070 <t< td=""><td>.050 <t< td=""><td>.060 <t< td=""></t<></td></t<></td></t<>	.050 <t< td=""><td>.060 <t< td=""></t<></td></t<>	.060 <t< td=""></t<>
FEB	.500	.150 <t< td=""><td>.190 <1</td><td>.140 <t< td=""><td></td><td></td></t<></td></t<>	.190 <1	.140 <t< td=""><td></td><td></td></t<>		
	.310	.150 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAR	.390	.170 <1	.150 <1	.170 <t< td=""><td>.110 <t< td=""><td>.290</td></t<></td></t<>	.110 <t< td=""><td>.290</td></t<>	.290
APR	.390	.160 <t< td=""><td>.160 <1</td><td>.150 <t< td=""><td>.150 <t< td=""><td>.300</td></t<></td></t<></td></t<>	.160 <1	.150 <t< td=""><td>.150 <t< td=""><td>.300</td></t<></td></t<>	.150 <t< td=""><td>.300</td></t<>	.300
HAY	.360	.140 <t< td=""><td>.110 <1</td><td>.140 <t< td=""><td>.170 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<></td></t<>	.110 <1	.140 <t< td=""><td>.170 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<>	.170 <t< td=""><td>.140 <t< td=""></t<></td></t<>	.140 <t< td=""></t<>
JUN	.400	.130 <t< td=""><td>.080 <1</td><td>.190 <t< td=""><td>.100 <7</td><td>.110 <t< td=""></t<></td></t<></td></t<>	.080 <1	.190 <t< td=""><td>.100 <7</td><td>.110 <t< td=""></t<></td></t<>	.100 <7	.110 <t< td=""></t<>
JUL	.390	.100 <t< td=""><td>.090 <1</td><td>.130 <t< td=""><td>.100 <t< td=""><td>.280</td></t<></td></t<></td></t<>	.090 <1	.130 <t< td=""><td>.100 <t< td=""><td>.280</td></t<></td></t<>	.100 <t< td=""><td>.280</td></t<>	.280
AUG	.480	! SH	.110 <1	.080 <t< td=""><td>.090 <t< td=""><td>.270</td></t<></td></t<>	.090 <t< td=""><td>.270</td></t<>	.270
SEP	.430	.150 <t< td=""><td>.140 <1</td><td>.130 <t< td=""><td>.160 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<></td></t<>	.140 <1	.130 <t< td=""><td>.160 <t< td=""><td>.140 <t< td=""></t<></td></t<></td></t<>	.160 <t< td=""><td>.140 <t< td=""></t<></td></t<>	.140 <t< td=""></t<>
OCT	.230	.050 <t< td=""><td>.070 <1</td><td>.060 <t< td=""><td>.040 <t< td=""><td>.040 <t< td=""></t<></td></t<></td></t<></td></t<>	.070 <1	.060 <t< td=""><td>.040 <t< td=""><td>.040 <t< td=""></t<></td></t<></td></t<>	.040 <t< td=""><td>.040 <t< td=""></t<></td></t<>	.040 <t< td=""></t<>
NOV	.210	.090 <t< td=""><td>.050 <1</td><td>.090 <t< td=""><td>.050 <7</td><td>.060 <t< td=""></t<></td></t<></td></t<>	.050 <1	.090 <t< td=""><td>.050 <7</td><td>.060 <t< td=""></t<></td></t<>	.050 <7	.060 <t< td=""></t<>
	.230 <t< td=""><td>.070 <t< td=""><td>.070 <1</td><td></td><td></td><td>BDL</td></t<></td></t<>	.070 <t< td=""><td>.070 <1</td><td></td><td></td><td>BDL</td></t<>	.070 <1			BDL

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
VANAD IUH	(UG/L)	•		DET'N LIMIT = .050	GUIDELINE = N	i/A
JAN	.360 <t< td=""><td>.410 <t< td=""><td>.390 <t< td=""><td>.350 <t< td=""><td>.310 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.390 <t< td=""><td>.350 <t< td=""><td>.310 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.390 <t< td=""><td>.350 <t< td=""><td>.310 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<>	.350 <t< td=""><td>.310 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<>	.310 <t< td=""><td>.310 <t< td=""></t<></td></t<>	.310 <t< td=""></t<>
FEB	.350 <t< td=""><td>.620</td><td>.510</td><td>.510</td><td></td><td></td></t<>	.620	.510	.510		
	.370 <t< td=""><td>.580</td><td></td><td></td><td>•</td><td></td></t<>	.580			•	
MAR	.310 <t< td=""><td>.570</td><td>.460 <t< td=""><td>.450 <t< td=""><td>.400 <t< td=""><td>.430 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.570	.460 <t< td=""><td>.450 <t< td=""><td>.400 <t< td=""><td>.430 <t< td=""></t<></td></t<></td></t<></td></t<>	.450 <t< td=""><td>.400 <t< td=""><td>.430 <t< td=""></t<></td></t<></td></t<>	.400 <t< td=""><td>.430 <t< td=""></t<></td></t<>	.430 <t< td=""></t<>
APR	.270 <t< td=""><td>.550</td><td>.370 <t< td=""><td>.400 <t< td=""><td>.350 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.550	.370 <t< td=""><td>.400 <t< td=""><td>.350 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<></td></t<>	.400 <t< td=""><td>.350 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<>	.350 <t< td=""><td>.410 <t< td=""></t<></td></t<>	.410 <t< td=""></t<>
MAY	.420 <t< td=""><td>.700</td><td>.540</td><td>.580</td><td>.490 <t< td=""><td>.510</td></t<></td></t<>	.700	.540	.580	.490 <t< td=""><td>.510</td></t<>	.510
JUN	.420 <t< td=""><td>.630</td><td>.550</td><td>.610</td><td>.610</td><td>.660</td></t<>	.630	.550	.610	.610	.660
JUL	.480 <t< td=""><td>.900</td><td>.690</td><td>.710</td><td>.650</td><td>.700</td></t<>	.900	.690	.710	.650	.700
AUG	.430 <t< td=""><td>I SM</td><td>.580</td><td>.680</td><td>.540</td><td>.540</td></t<>	I SM	.580	.680	.540	.540
SEP	.330 <t< td=""><td>.740</td><td>.700</td><td>.610</td><td>.740</td><td>.570</td></t<>	.740	.700	.610	.740	.570
OCT	.400 <t< td=""><td>.520</td><td>.570</td><td>.460 <t< td=""><td>.370 <t< td=""><td>.420 <t< td=""></t<></td></t<></td></t<></td></t<>	.520	.570	.460 <t< td=""><td>.370 <t< td=""><td>.420 <t< td=""></t<></td></t<></td></t<>	.370 <t< td=""><td>.420 <t< td=""></t<></td></t<>	.420 <t< td=""></t<>
NOV	.410 <t< td=""><td>.590</td><td>.470 <ī</td><td>.480 <t< td=""><td>.340 <t< td=""><td>.380 <7</td></t<></td></t<></td></t<>	.590	.470 <ī	.480 <t< td=""><td>.340 <t< td=""><td>.380 <7</td></t<></td></t<>	.340 <t< td=""><td>.380 <7</td></t<>	.380 <7
DEC	.210 <t< td=""><td>.320 <t< td=""><td>.530</td><td>.250 <t< td=""><td>.230 <7</td><td>.240 <t< td=""></t<></td></t<></td></t<></td></t<>	.320 <t< td=""><td>.530</td><td>.250 <t< td=""><td>.230 <7</td><td>.240 <t< td=""></t<></td></t<></td></t<>	.530	.250 <t< td=""><td>.230 <7</td><td>.240 <t< td=""></t<></td></t<>	.230 <7	.240 <t< td=""></t<>
ZINC (UG/	'L)			DET'N LIMIT = .001	GUIDELINE = 5	000. (A3)
JAN	2.400	15.000	43.000	1.700	19.000	7.000
FEB	2.900	7.700	140.000	2.000		
	3.400	2.800				
MAR	3.200	4.700	74.000	2.400	4.800	1.900
APR	3.300	9.800	62.000	3.000	5.700	2.900
MAY	3.000	6.500	57.000	2.300	4.800	3.300
JUN	3.400	13.000	61.000	3.000	12.000	3.200
JUL	5.900	12.000	56.000	1.800	11.000	2.300
AUG	2.700	1 SM	54.000	2.300	4.400	2.100
SEP	3.000	11.000	27,000	1.500	16,000	2.000
OCT	1.700	8,400	6.800	3.300	17.000	2.200
NOV	2.600	6.700	6.300	1.800	3.500	2.200
DEC	2.500	1.100 <t< td=""><td>14,000</td><td>1.800 <t< td=""><td>9.000</td><td>1.400 <t< td=""></t<></td></t<></td></t<>	14,000	1.800 <t< td=""><td>9.000</td><td>1.400 <t< td=""></t<></td></t<>	9.000	1.400 <t< td=""></t<>

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW		TREATED	SITE	1		SITE 2	
				STANDING	FR	EE FLOW	STANDING	FREE FLOW
	С	HLOROARO	MATICS					
HEXACHLORO	BUTAD I ENE	(NG/L)	DET	N LIMIT =	1.000	GUIDELINE =	450 (D4)
JAN	BOL		BOL			BDL		BOL
FEB	3.000		BOL			BOL		
	BOL		BDL					
HAR	BOL		BOL		•	BOL		BOL
APR	BOL		BOL			BOL		BOL
MAY	BOL		BOL			BOL		BOL
JUN	BOL		BOL			BDL		BOL
JUL	BDL		BDL			BDL		BOL
AUG	BOL		BOL			BOL		BOL
SEP	BOL		BOL			BOL		BOL
OCT	BDL		BOL			. BOL		BOL
NOV	BDL		BOL			BDL		BOL
DEC	BOL		BDL			BOL		BOL

TABLE 5

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	PESTI	CIDES & PCB				
ALPHA BHC	(NG/L)		DET'N L	IMIT = 1.000	GUIDELINE :	700 (G)
JAN	2.000 <t< td=""><td>3.000 <t< td=""><td></td><td>BOL</td><td></td><td>1.000 <7</td></t<></td></t<>	3.000 <t< td=""><td></td><td>BOL</td><td></td><td>1.000 <7</td></t<>		BOL		1.000 <7
FEB	2.000 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td></td></t<>	BOL		BOL		
	1,000 <t< td=""><td>BOL</td><td></td><td></td><td></td><td></td></t<>	BOL				
MAR	2.000 <t< td=""><td>1.000 <t< td=""><td></td><td>BOL</td><td></td><td>1.000 <t< td=""></t<></td></t<></td></t<>	1.000 <t< td=""><td></td><td>BOL</td><td></td><td>1.000 <t< td=""></t<></td></t<>		BOL		1.000 <t< td=""></t<>
APR	BOL	BOL		BOL		BOL
HAY	BDL	BOL		BOL		BOL
JUN	BDL	BOL		BOL		BOL
JUL	2.000 <7	BOL		BOL		BOL
AUG	BDL	BOL		BOL		2.000 <t< td=""></t<>
SEP	1.000 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td>BOL</td></t<>	BOL		BOL		BOL
OCT	2.000 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td>BOL</td></t<>	BOL		BOL		BOL
NOV	1.D00 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td>BOL</td></t<>	BOL		BOL		BOL
DEC	2.000 <t< td=""><td>BOL</td><td></td><td>BOL</td><td>•</td><td>BOL</td></t<>	BOL		BOL	•	BOL
LINDANE (NG/L)		DET'N L	IMIT = 1.000	GUIDELINE =	4000 (A1)
JAN	2.000 <t< td=""><td>BOL</td><td></td><td>BDL</td><td></td><td>BOL</td></t<>	BOL		BDL		BOL
FEB	BOL	BOL		BOL		
	BDL	BOL				
MAR	BOL	BOL		BOL		BOL
APR	BOL	BDL		BOL		BOL
HAY	BOL	BDL		BDL		BOL
JUN	BDL	BOL		BOL		BOL
JUL	BDL	BOL		BOL		BOL
AUG	BDL	BOL		BOL		BDL
SEP	BOL	BOL		BOL		BOL
OCT	BOL	BOL		BOL		BOL
NOV	BDL	BOL		BDL		BOL
DEC	BOL	BDL		BOL		BOL
ATRAZINE ((NG/L)	••••••••	DET'N L	IMIT = 50.00	GUIDELINE =	60000 (B3)
JAN	BDL	BOL		BDL		BOL
FEB	BOL	BOL	•	BOL	•	
100	BDL ·					
MAR	BDL .	BDL		ėn.		
APR	BOL	BDL		BDL	•	BOL
HAY		BOL	•	BDL		BDL
	BDL	BOL	•	BOL		BDL
JUN	BOL	SDL	•	BDL		BDL
JUL	BOL	BOL	•	BDL		BDL
AUG	BDL 104 000 -T	BOL				
SEP	106.000 <t< td=""><td>BOL</td><td></td><td></td><td>•</td><td>•</td></t<>	BOL			•	•
OCT	180.000 <t< td=""><td>BDL</td><td></td><td></td><td>•</td><td></td></t<>	BDL			•	
NOV	BDL	BOL				•
DEC	BDL	BOL				

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
		s	TAND ING	FREE FLOW	STANDING	FREE FLOW
	PHENOLI	cs				
PHENOLICS	(UG/L)		DET'N LIMIT	= 0.2	GUIDELINE =	2.00 (A3)
JAN	115	1,600				
FEB	1.200	2.000	•			
	1.600	1.600				
MAR	.600 <t< td=""><td>.400 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.400 <t< td=""><td></td><td></td><td></td><td></td></t<>				
APR	1.000	.800 <t< td=""><td>•</td><td></td><td></td><td></td></t<>	•			
MAY	1.000	.600 <t< td=""><td></td><td></td><td></td><td></td></t<>				
JUN	.800 <t< td=""><td>.400 <t< td=""><td>•</td><td></td><td></td><td></td></t<></td></t<>	.400 <t< td=""><td>•</td><td></td><td></td><td></td></t<>	•			
JUL	1.000	.600 <t< td=""><td></td><td></td><td></td><td></td></t<>				
AUG	115	BOL				
SEP	.800 <t< td=""><td>.400 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.400 <t< td=""><td></td><td></td><td></td><td></td></t<>				
OCT	1.600	1.000 <t< td=""><td></td><td></td><td></td><td></td></t<>				
NOV	BOL	BDL				
DEC	BDL	BDL				

TABLE 5

WATER TREATMENT PLANT

M-XYLENE (UG/L)

DISTRIBUTION SYSTEM

DET'N LIMIT = .100 GUIDELINE = 300 (84)

	RAW		TREATED	SITE 1		SITE 2	
				STANDING	FREE FLOW	STANDING	FREE FLOW
	٠	DLATILES					
BENZENE (DET'N LIMIT = .050	GUIDELINE =	5.0 (81)
JAN	.200	<₹	.150	<т .	.150 <t< td=""><td></td><td>.150 <t< td=""></t<></td></t<>		.150 <t< td=""></t<>
FEB	.250	<t< td=""><td>.200</td><td><1 .</td><td>.150 <t< td=""><td>•</td><td>•</td></t<></td></t<>	.200	<1 .	.150 <t< td=""><td>•</td><td>•</td></t<>	•	•
	.550					•	•
	.450	<7	.100	<t .<="" td=""><td></td><td>•</td><td>•</td></t>		•	•
MAR	.150	<7	.050	<t .<="" td=""><td>.100 <t< td=""><td>•</td><td>.100 <t< td=""></t<></td></t<></td></t>	.100 <t< td=""><td>•</td><td>.100 <t< td=""></t<></td></t<>	•	.100 <t< td=""></t<>
APR	.250	<7	.050	<t .<="" td=""><td>.100 <t< td=""><td>•</td><td>.050 <t< td=""></t<></td></t<></td></t>	.100 <t< td=""><td>•</td><td>.050 <t< td=""></t<></td></t<>	•	.050 <t< td=""></t<>
MAY	.100	<7	BOL		.100 <t< td=""><td>•</td><td>.050 <t< td=""></t<></td></t<>	•	.050 <t< td=""></t<>
JUN	.200	<t< td=""><td>.050</td><td><t .<="" td=""><td>BOL</td><td>•</td><td>BDL</td></t></td></t<>	.050	<t .<="" td=""><td>BOL</td><td>•</td><td>BDL</td></t>	BOL	•	BDL
JUL	.050	<t< td=""><td>BDL</td><td></td><td>BOL</td><td>•</td><td>BDL</td></t<>	BDL		BOL	•	BDL
· AUG	BOL		.050	<t .<="" td=""><td>.050 <t< td=""><td>•</td><td>BOL</td></t<></td></t>	.050 <t< td=""><td>•</td><td>BOL</td></t<>	•	BOL
SEP	.100	<t< td=""><td>.050</td><td><t .<="" td=""><td>10</td><td>•</td><td>.050 <t< td=""></t<></td></t></td></t<>	.050	<t .<="" td=""><td>10</td><td>•</td><td>.050 <t< td=""></t<></td></t>	10	•	.050 <t< td=""></t<>
OCT	BOL		BDL		BDL	•	BOL
NOV	BDL		BDL	•	BDL	•	BDL
DEC	80 L		8DL	•	80L		BOL
TOLUENE (JG/L)				DET'N LIMIT = .050	GUIDELINE =	24.0 (B4)
JAN	.100	<t< td=""><td>.100</td><td><t .<="" td=""><td>.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t></td></t<>	.100	<t .<="" td=""><td>.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t>	.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<>		.100 <t< td=""></t<>
FEB	.050		.050		BOL		
	80 L	•	BDL				
MAR	8DL		BDL		BOL		BOL
APR	3.200		.400	<⊺ .	.300 <t< td=""><td></td><td>.500</td></t<>		.500
MAY	BDL		BOL		.050 <t< td=""><td></td><td>BDL</td></t<>		BDL
JUN	.350	<7	.100	<ĭ .	.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<>		.100 <t< td=""></t<>
JUL	BDL		.050	<t .<="" td=""><td>.150 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t>	.150 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<>		.100 <t< td=""></t<>
AUG	BOL		.100		.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<>		.100 <t< td=""></t<>
SEP	.150	<t< td=""><td>BDL</td><td></td><td>10</td><td></td><td>BOL</td></t<>	BDL		10		BOL
OCT	BDL		BDL		BOL		BOL
NOV	BDL		BDL		8DL		BDL
DEC	BOL		BDL		8DL		80L
ETHYLBENZE	ENE (UG/L)			DET'N LIMIT = .050	GUIDELINE =	2.4 (84)
MAL	.100	<t< td=""><td>8DL</td><td></td><td>BOL</td><td></td><td>8DL</td></t<>	8DL		BOL		8DL
FEB	BOL	*1	BOL	•	80L	•	
FEB	.100	<t< td=""><td>80L</td><td>•</td><td></td><td>•</td><td>•</td></t<>	80L	•		•	•
MAR	.050		8DL	•	BDL		.050 <7
APR	.250				.050 <t< td=""><td>•</td><td>.150 <7</td></t<>	•	.150 <7
MAY	BDL	-1	.100 BDL		.050 <1 80L	•	80L
JUN	.100	-7	.050	٠.	.050 <t< td=""><td>•</td><td>.050 <t< td=""></t<></td></t<>	•	.050 <t< td=""></t<>
	BDL	1	BDL		.050 <1 BDL	•	.050 <1 BOL
JUL				•		•	BOL
AUG	BDL		8DL	•	BDL	•	BOL
SEP	BOL		BOL	•	10	•	BOL
OCT	BOL		BOL	•	BOL		
NOV	BDL		BOL	•	BOL	•	BDL
DEC	BDL		BOL		.050 <7		BOL

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW S	STANDING	FREE FLOW
JAN	BDL	BOL	•	BOL	•	BOL
FEB	BDL	BOL		BDL	•	•
	.200 <t< td=""><td>BDL</td><td></td><td></td><td></td><td>•</td></t<>	BDL				•
MAR	BOL	BDL		BDL		BOL
APR	.700 <t< td=""><td>.100 <t< td=""><td></td><td>BOL</td><td></td><td>.200 <t< td=""></t<></td></t<></td></t<>	.100 <t< td=""><td></td><td>BOL</td><td></td><td>.200 <t< td=""></t<></td></t<>		BOL		.200 <t< td=""></t<>
HAY	BDL	BDL		BOL		BOL
JUN	.200 <t< td=""><td>BOL</td><td></td><td>BOL</td><td></td><td>BDL</td></t<>	BOL		BOL		BDL
JUL	BDL	BDL		.100 <t< td=""><td></td><td>BDL</td></t<>		BDL
AUG	BOL	BOL		BOL		BDL
SEP	BDL	BDL	•	IU		BDL
OCT	BDL	BOL		BOL		BDL
NOV	BDL	BDL	•	BOL	•	BOL
DEC	BDL	BOL	•	BDL	•	BDL
	PDF	BOL		BUL	•	
-XYLENE (UG/L)			DET'N LIMIT = .050	GUIDELINE = 3	00 (84)
JAN	BOL	BDL		BOL	•	BOL
FEB	BDL	BDL		SOL		•
	.100 <t< td=""><td>BDL</td><td></td><td></td><td></td><td>•</td></t<>	BDL				•
MAR	BDL	BDL		BDL		BDL
APR	.250 <t< td=""><td>.100 <t< td=""><td></td><td>BDL</td><td></td><td>.050 <t< td=""></t<></td></t<></td></t<>	.100 <t< td=""><td></td><td>BDL</td><td></td><td>.050 <t< td=""></t<></td></t<>		BDL		.050 <t< td=""></t<>
MAY	BDL	BDL		BDL		BDL
JUN	.100 <t< td=""><td>.050 <t< td=""><td></td><td>BDL</td><td></td><td>BDL</td></t<></td></t<>	.050 <t< td=""><td></td><td>BDL</td><td></td><td>BDL</td></t<>		BDL		BDL
JUL	BDL	BDL		.050 <t< td=""><td></td><td>BOL</td></t<>		BOL
AUG	BDL	BDL		BDL		BDL
SEP	BDL	BDL		10		BDL
OCT	BDL	BDL		BOL		BOL
NOV	BDL	BDL	•	BDL		BOL
DEC	BOL	BOL		BDL	:	BDL
TYRENE (U	G/L)			DET'N LIMIT = .050	GUIDELINE = 4	6.5 (D2)
JAN	.200 <t< td=""><td>BDL</td><td>•</td><td>BOL</td><td>•</td><td>BOL</td></t<>	BDL	•	BOL	•	BOL
FEB	.100 <t< td=""><td>BOL</td><td></td><td>BOL</td><td>•</td><td></td></t<>	BOL		BOL	•	
	BOL	BDL		•		
MAR	.100 <t< td=""><td>BOL</td><td></td><td>.050 <7</td><td></td><td>.050 <1</td></t<>	BOL		.050 <7		.050 <1
APR	.300 <t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td>.050 <1</td></t<>	BDL		BDL		.050 <1
MAY	BDL	BDL		.100 <t< td=""><td></td><td>BDL</td></t<>		BDL
JUN	.200 <t< td=""><td>.050 <t< td=""><td></td><td>.350 <t< td=""><td></td><td>.300 <1</td></t<></td></t<></td></t<>	.050 <t< td=""><td></td><td>.350 <t< td=""><td></td><td>.300 <1</td></t<></td></t<>		.350 <t< td=""><td></td><td>.300 <1</td></t<>		.300 <1
JUL	BDL	BDL		.050 <t< td=""><td></td><td>BDL</td></t<>		BDL
AUG	BDL	BOL	•	.050 <t< td=""><td></td><td>BDL</td></t<>		BDL
SEP	BOL	.400 <t< td=""><td>•</td><td>10</td><td></td><td>BDL</td></t<>	•	10		BDL
OCT	BDL	BDL BDL	•	BOL	•	BDL
NOV	.100 <t< td=""><td>.150 <t< td=""><td>•</td><td>.150 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<></td></t<></td></t<>	.150 <t< td=""><td>•</td><td>.150 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<></td></t<>	•	.150 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<>		.050 <t< td=""></t<>
DEC	BDL BDL	BDL BDL		BDL		.150 <7
	(UG/L)			DET'N LIMIT = .100	GUIDELINE = 3	50 (A1+)
JAN	.100 <t< td=""><td>10.000</td><td></td><td>5.700</td><td></td><td>9.700</td></t<>	10.000		5.700		9.700
	BOL	5,000				

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
FEB	BOL	7.200	•		•	7
MAR	.200 <t< td=""><td>11.500</td><td>•</td><td>5.500</td><td>•</td><td>7.000</td></t<>	11.500	•	5.500	•	7.000
APR	.200 <7	8.900	•	4.900	•	4.200
HAY	BOL	8.000	•	4.500	•	5.300
JUN	BOL	14.000	•	9.800	•	13.200
JUL	.100 <t< td=""><td>15.600</td><td>•</td><td>7.600</td><td>•</td><td>10.100</td></t<>	15.600	•	7.600	•	10.100
AUG	.700 <t< td=""><td>15.700</td><td>•</td><td>11.400</td><td>•</td><td>13.600</td></t<>	15.700	•	11.400	•	13.600
SEP	.300 <7	25.400	•	10	•	17.000
OCT	BDL	8.100	•	6.500		7.000
NOV	BDL	7.500	•	5.700	•	6.700
DEC	BDL	11.800		6.100		9.300
11, TRICHL	OROETHANE (UG/L)		DET'N LIMIT = .02	O GUIDELINE =	200 (D1)
JAN	BOL	BOL		BOL		BOL
FEB	BOL	BDL		BOL		
	BOL	BOL				
HAR	.040 <t< td=""><td>.020 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>.020</td></t<></td></t<></td></t<>	.020 <t< td=""><td></td><td>.020 <t< td=""><td></td><td>.020</td></t<></td></t<>		.020 <t< td=""><td></td><td>.020</td></t<>		.020
APR	BDL	BOL		BOL		80L
HAY	BDL	BOL		BDL		BDL
JUN	BDL	BDL		BDL		BDL
JUL	BDL	BDL		BOL		BDL
AUG	BDL	BOL		BDL		BDL
SEP	.020 <t< td=""><td>BDL</td><td></td><td>IU</td><td></td><td>BDL</td></t<>	BDL		IU		BDL
OCT	BDL	BDL		BOL		BDL
NOV	BDL	BDL		BDL		BOL
DEC	BDL	BDL	•	BOL	•	BOL
ARBON TETR	ACHLORIDE (UG/L)	***************************************	DET'N LIMIT = .20	0 GUIDELINE =	5.0 (D1)
JAN	BOL	BDL		BOL		BDL
JAN FEB	BOL	BOL		BDL		BDL
			:		•	BDL
	BOL	BOL	•			BDL BDL
FEB	BD L BD L	BDL BDL	· · ·	BOL .		
FEB MAR	BOL BOL	BOL BOL BOL	:	BDL BDL BDL		BOL
FEB MAR APR	BDL BDL BDL BDL	BOL BOL BOL		BOL BOL		BOL BOL
FEB MAR APR MAY	BOL BOL BOL BOL	BOL BOL BOL BOL		BDL BDL BDL BDL	:	BDL BDL BDL
MAR APR MAY JUN	BDL BDL BDL BDL BDL	BOL BOL BOL BOL BOL BOL	:	BDL BDL BDL BDL BDL BDL		BDL BDL BDL BDL
MAR APR MAY JUN JUL	BDL BDL BDL BDL BDL BDL	BOL BOL BOL BOL BOL	:	BDL BDL BDL BDL BDL BDL BDL		BDL BDL BDL BDL BDL
MAR APR MAY JUN JUL AUG	80L 80L 80L 80L 80L 80L 80L 80L	BOL BOL BOL BOL BOL BOL BOL BOL BOL	:	BDL BDL BDL BDL BDL BDL IU		BOL BOL BOL BOL BOL BOL
MAR APR MAY JUN JUL AUG SEP OCT	80L 80L 80L 80L 80L 80L 80L 80L 80L	BOL BOL BOL BOL BOL BOL BOL BOL BOL BOL	: : : : : : :	BDL		BOL BOL BOL BOL BOL BOL BOL
MAR APR MAY JUN JUL AUG SEP	80L 80L 80L 80L 80L 80L 80L 80L	BOL BOL BOL BOL BOL BOL BOL BOL BOL		BDL BDL BDL BDL BDL BDL IU		BOL BOL BOL BOL BOL BOL BOL
MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	8DL 8DL 8DL 8DL 8DL 8DL 8DL 8DL 8DL 8DL	BOL BOL BOL BOL BOL BOL BOL BOL BOL BOL	: : : : : : : :	BDL BDL BDL BDL BDL BDL BDL BDL L BDL ADD SDL SDL SDL SDL		BDL BDL BDL BDL BDL BDL BDL BDL
MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL	BOL	: : : : : : : :	BDL BDL BDL BDL BDL IU BDL .400 < T BDL	0 GUIDELINE =	BDL BDL BDL BDL BDL BDL BDL BDL BDL
MAR APR MAY JUN JUL AUG SEP OCT NOV DEC 2 DICHLORG	BDL	BOL	: : : : : : : : :	BDL . BDL	O GUIDELIME =	BDL BDL BDL BDL BDL BDL BDL BDL
MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL	BOL	: : : : : : : : :	BDL BDL BDL BDL BDL IU BDL .400 < T BDL	O GUIDELIME =	BDL BDL BDL BDL BDL BDL BDL BDL BDL

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	BOL	BDL		BDL.	•	BDL
HAY	BDL	BDL		BDL	•	BDL
JUN	BOL	BDL		BDL		BDL
JUL	BDL	BDL		BDL	•	BOL
AUG	BDL	BDL		BOL		BDL
SEP	BDL	BOL		ĮU.		BDL
OCT	BDL	BDL		BDL		BOL
NOV	BDL	BOL		BOL		BDL
DEC	.300 <t< td=""><td>BOL</td><td></td><td>BDL</td><td></td><td>BDL</td></t<>	BOL		BDL		BDL
ICHLOROBRO	MOMETHANE (UG/	L)		DET'N LIMIT = .050	GUIDELINE =	350 (A1+)
JAN	BDL	5.800		5.500		5.850
FEB	BDL	6.850		6.500		
	BDL	5.850				
MAR	BOL	6.350		5.350		6.400
APR	.100 <t< td=""><td>8.650</td><td></td><td>7.800</td><td></td><td>7.500</td></t<>	8.650		7.800		7.500
HAY	BDL	6.400		6.300		6.700
JUN	BDL	7.100		7.050		8.000
JUL	BDL	9.600		9.300		9.150
AUG	BDL	8.800		7.850	•	8.250
SEP	BDL	12.300		IU		10.750
OCT	BDL	6.250		5.900		5.900
NOV	BDL	8.800		8.000		7.950
DEC	BDL	8.050	•	6.300		7.500
HLOROD I BRO	MOMETHANE (UG/I	.)		DET'N LIMIT = .100	GUIDELINE =	350 (A1+)
JAN	BDL	2.900		2.900		2.900
FEB	BDL	5.500		5.500		
	BDL	5.300				
MAR	BDL	2.800		2,600		3.200
APR	BDL	7,600		7,600		7.100
HAY	BDL	6.300		6.900		6.800
JUN	BDL	2.500		2.800		3.100
JUL	BDL	7.900		8.200		7.500
AUG	BDL	4.400		4,400		4.600
SEP	BDL	6.900		10		6.700
OCT	BDL	3.300	•	4.000		3.900
NOV	BDL	7.400		7,300		7.300
DEC	BDL	4.300		3.900		3.900
-CHLOROETH	YLENE (UG/L)		DET'N LIMIT = .050	GUIDELINE =	10.0 (C2)
KAL	.100 <t< td=""><td>BDL</td><td></td><td>BOL</td><td></td><td>BDL</td></t<>	BDL		BOL		BDL
FEB	8DL	BDL	•	BOL		
	BDL	BOL	•			
MAR	BDL	BOL	•	BDL	•	BDL
	BU L	DO L		BUL		
APR	BDL	BDL		BDL		BDL

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM WALLACEBURG WTP 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JUN	BDL	BDL		.050 <7		.050 <7
JUL	BDL	BDL	•	.050 <t< td=""><td></td><td>.050 <t< td=""></t<></td></t<>		.050 <t< td=""></t<>
		BDL	•	BOL	·	BDL
AUG SEP	BOL	.100 <t< td=""><td>•</td><td>10</td><td></td><td>BDL</td></t<>	•	10		BDL
OCT	BDL	BDL	•	BDL	•	BDL
NOV	BDL	BDL	•	BOL		BDL
DEC	BDL	BDL	•	BOL		BDL
DEC	BUL	802				
BROMOFORM (U	G/L)			DET'N LIMIT = .20	O GUIDELINE =	350 (A1+)
JAN	BDL	.200 <t< td=""><td></td><td>.400 <t< td=""><td></td><td>.200 <t< td=""></t<></td></t<></td></t<>		.400 <t< td=""><td></td><td>.200 <t< td=""></t<></td></t<>		.200 <t< td=""></t<>
FEB	BDL	1,000 <t< td=""><td></td><td>1.000 <t< td=""><td></td><td></td></t<></td></t<>		1.000 <t< td=""><td></td><td></td></t<>		
	BOL	1,200 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAR	BOL	.400 <t< td=""><td></td><td>.400 <t< td=""><td></td><td>.400 <t< td=""></t<></td></t<></td></t<>		.400 <t< td=""><td></td><td>.400 <t< td=""></t<></td></t<>		.400 <t< td=""></t<>
APR	8DL	1.400 <t< td=""><td></td><td>1.200 <t< td=""><td></td><td>1.400 <t< td=""></t<></td></t<></td></t<>		1.200 <t< td=""><td></td><td>1.400 <t< td=""></t<></td></t<>		1.400 <t< td=""></t<>
HAY	BDL	1.800 <t< td=""><td></td><td>1.600 <t< td=""><td></td><td>1.400 <1</td></t<></td></t<>		1.600 <t< td=""><td></td><td>1.400 <1</td></t<>		1.400 <1
JUN	BOL	.400 <t< td=""><td></td><td>.400 <t< td=""><td></td><td>.400 <1</td></t<></td></t<>		.400 <t< td=""><td></td><td>.400 <1</td></t<>		.400 <1
JUL	BDL	1,600 <t< td=""><td></td><td>1.400 <t< td=""><td></td><td>1.600 <1</td></t<></td></t<>		1.400 <t< td=""><td></td><td>1.600 <1</td></t<>		1.600 <1
AUG	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td></td><td>.600 <1</td></t<></td></t<>		.600 <t< td=""><td></td><td>.600 <1</td></t<>		.600 <1
SEP	BDL	1.000 <t< td=""><td></td><td>10</td><td></td><td>1.000 <1</td></t<>		10		1.000 <1
OCT	BDL	.400 <t< td=""><td></td><td>.800 <t< td=""><td></td><td>.600 <1</td></t<></td></t<>		.800 <t< td=""><td></td><td>.600 <1</td></t<>		.600 <1
NOV	BDL	1.600 <t< td=""><td></td><td>1.800 <t< td=""><td></td><td>1.800 <1</td></t<></td></t<>		1.800 <t< td=""><td></td><td>1.800 <1</td></t<>		1.800 <1
DEC	BDL	.800 <t< td=""><td></td><td>.800 <t< td=""><td></td><td>.600 <1</td></t<></td></t<>		.800 <t< td=""><td></td><td>.600 <1</td></t<>		.600 <1
OTL TRIHALO	METHANES (UG/	L)		DET'N LIMIT = .50	O GUIDELINE =	
JAN	BOL	18.900		14.500		18.650
FEB	BOL	18.350		17.100		•
	BOL	19.550		•	•	
MAR	BDL	21.050		13.850		17.000
APR	BDL	26.550		21.500		20.200
MAY	BDL	22.500		19.300		20.200
JUN	BDL	24.000		20.050		24.700
JUL	BDL	34.700		26.500		28.350
AUG	.700 <t< td=""><td>29.500</td><td></td><td>24.250</td><td></td><td>27.050</td></t<>	29.500		24.250		27.050
SEP	BDL	45.600		IU		35.450
OCT	BDL	18.050		17.200		17.400
NOV	BDL	25.300		22.800		23.750
DEC	BDL	24.850		16.950		21.300

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

Table 6

	Г	ETECTIO	N	
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
BACTERIOLOGICAL				
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0	(A1)
STANDARD PLATE COUNT MEMBRANE	CT/ML	0	500/M	L(A1)
FILTRATION				
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	5/100m	L(A1)
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A	
CHLOROAROMATICS				
HEXACHLOROBUTADIENE	NG/L	1.000	450.	(D4)
1,2,3-TRICHLOROBENZENE	NG/L	5.000	10000	(I)
1,2,3,4-TETRACHLOROBENZENE	NG/L	1.000	10000	(I)
1,2,3,5-TETRACHLOROBENZENE	NG/L	1.000	10000	(I)
1,2,4-TRICHLOROBENZENE	NG/L	5.000	10000	(I)
1,2,4,5-TETRACHLOROBENZENE	NG/L	1.000	38000	(D4)
1,3,5-TRICHLOROBENZENE	NG/L	5.000	10000	(D4)
HEXACHLOROBENZENE	NG/L	1.0	10.	(C1)
HEXACHLOROETHANE	NG/L	1.000	1900.	(D4)
OCTACHLOROSTYRENE	NG/L	1.000		
PENTACHLOROBENZENE	NG/L		74000	(D4)
2,3,6-TRICHLOROTOLUENE	NG/L	5.000		
2,4,5-TRICHLOROTOLUENE	NG/L	5.000		
2,6,A-TRICHLOROTOLUENE	NG/L	5.000	N/A	
CHLOROPHENOLS				
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A	
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,4,5-TRICHLOROPHENOL	NG/L		600000	(D4)
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000.	(B4)
PENTACHLOROPHENOL	NG/L		30000.	(B4)
CHEMISTRY (FLD)				
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD FREE CHLORINE RESIDUAL	MG/L	N/A	- N/A	
FIELD TOTAL CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD PH	DMSNLESS	N/A	6.5-8.	
FIELD TEMPERATURE	°c	N/A	<15 °C	
FIELD TURBIDITY	FTU	N/A	1.0	(A1)
CHEMISTRY (LAB)				
ALKALINITY	MG/L	.200	30-50	0(A4)
CALCIUM	MG/L	.100		
CYANIDE	MG/L	.001		0(A1)
CHLORIDE	MG/L	.200		
COLOUR	TCU	. 5		(A3)
CONDUCTIVITY	UMHO/CM	1.	400.	(F2)
FLUORIDE	MG/L	.01	2.4	(A1)
HARDNESS	MG/L	.50	80-10	O(A4)
MAGNESIUM	MG/L	.05	30.	(F2)

	DE	ETECTION	
SCAN/PARAMETER	UNIT	LIMIT	GUIDELINE
NITRITE	MG/L	.001	
TOTAL NITRATES	MG/L	.02	10. (A1)
NITROGEN TOTAL KJELDAHL	MG/L	.02	N/A
PH	DMSNLESS	N/A	
PHOSPHORUS FIL REACT	MG/L	.0005	,
PHOSPHORUS TOTAL	MG/L	.002	.40(F2)
SULPHATE	MG/L	.200	
TOTAL SOLIDS	MG/L	1.	500. (A3)
TURBIDITY	FTU	.02	1.0 (A1)
NETALS			
	TIC /T	050	100. (A4)
ALUMINUM	UG/L UG/L	.050	, ,
ANTIHONY	UG/L	.050	50. (A1)
ARSENIC	UG/L		1000. (A1)
BARIUM	UG/L		5000. (A1)
BORON	UG/L	.010	0.20 (H)
BERYLLIUM	UG/L	.050	5.0 (A1)
CADMIUM	UG/L		1000. (H)
CHROMIUM	UG/L	.100	50. (A1)
COPPER	UG/L		1000. (A3)
IRON	UG/L	5.0	300. (A3)
MERCURY	UG/L	.01	1.0 (A1)
MANGANESE	UG/L		50. (A3)
MOLYBDENUM	UG/L		500. (H)
NICKEL	UG/L		
LEAD	UG/L	.020	
SELENIUM	UG/L	.200	, ,
SILVER	UG/L	.020	50. (A1)
STRONTIUM	UG/L		2000. (H)
THALLIUM	UG/L	.010	13. (D4)
TITANIUM	UG/L	.100	N/A
URANIUM	UG/L	.020	20. (A2)
VANADIUM	UG/L	.020	100. (H)
ZINC	UG/L	.020	5000. (A3)
PHENOLICS			
	/-		0.0.422
PHENOLICS (UNFILTERED REACTIVE)	UG/L	. 2	2.0 (A3)
PESTICIDES & PCB			
radicides & res			
ALDRIN	NG/L	1.0	700. (A1)
AMETRINE	NG/L	50. 30	00000. (D3)
ATRAZINE	NG/L	50.	50000. (B3)
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	700. (G)
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	300. (G)
GAMMA HEXACHLOROCYCLOHEXANE (LINDANE)		1.0	4000. (A1)
ALPHA CHLORDANE	NG/L	2.0	7000. (A1)
GAMMA CHLORDANE	NG/L	2.0	7000. (A1)
BLADEX	NG/L	100.	10000. (B3)
DIELDRIN	NG/L	2.0	700. (A1)
METHOXYCHLOR	NG/L	5.0 90	00000. (B1)
ENDOSULFAN 1 (THIODAN I)	NG/L		74000. (D4)
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0	74000. (D4)
ENDRIN	NG/L	4.0	200. (A1)
ENDOSULFAN SULPHATE (THIODAN SULPHATE)NG/L	4.0	N/A

	DE	TECTION		
SCAN/PARAMETER	UNIT	LIMI'	GUIDE	LINE
HEPTACHLOR EPOXIDE	NG/L	1.0	3000.	(A1)
HEPTACHLOR	NG/L	1.0	3000.	(A1)
METOLACHLOR	NG/L	500.	50000.	(B3)
MIREX	NG/L	5.0	N/A	
OXYCHLORDANE	NG/L	2.0	N/A	
O,P-DDT	NG/L	5.0	30000.	(A1)
PCB	NG/L	20.0	3000.	(A2)
O,P-DDD	NG/L	5.0	N/A	
PPDDE	NG/L	1.0	30000.	(A1)
PPDDT	NG/L	5.0	30000.	(A1)
ATRATONE	NG/L	50.	N/A	
ALACHLOR	NG/L	500.	35000.	(D2)
PROMETONE	NG/L	50.	52500.	(D3)
PROPAZINE	NG/L	50.	16000.	(D2)
PROMETRYNE	NG/L	50.	1000.	(B3)
SENCOR (METRIBUZIN)	NG/L	100.		(B2)
SIMAZINE	NG/L	50.	10000.	(B3)
POLYAROMATIC HYDROCARBONS				
PHENANTHRENE	NG/L	10.0	N/A	
ANTHRACENE	NG/L	1.0	N/A	
FLUORANTHENE	NG/L	20.0	42000.	(D4)
PYRENE	NG/L	20.0	N/A	(,
BENZO(A)ANTHRACENE	NG/L	20.0	N/A	
CHRYSENE	NG/L	50.0	N/A	
DIMETHYL BENZO(A) ANTHRACENE	NG/L	5.0	N/A	
BENZO(E)PYRENE	NG/L	50.0	N/A	
BENZO(B) FLUORANTHENE	NG/L	10.0	N/A	
PERYLENE	NG/L	10.0	N/A	
BENZO(K) FLUORANTHENE	NG/L	1.0	N/A	
BENZO(A) PYRENE	NG/L	5.0	10.	(B1)
BENZO(G,H,I)PERYLENE	NG/L	20.0	N/A	
DIBENZO(A, H) ANTHRACENE	NG/L	10.0	N/A	
INDENO(1,2,3-C,D)PYRENE	NG/L	20.0	N/A	
BENZO(B) CHRYSENE	NG/L	2.0	N/A	
CORONENE	NG/L	10.0	N/A	
SPECIFIC PESTICIDES				
TOXAPHENE	NG/L	N/A	5000.	(A1)
2,4,5-TRICHLOROBUTYRIC ACID	NG/L	50.	200000.	(B4)
(2,4,5-T)	NG/L	50.	200000.	(54)
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000.	(A1)
2,4-DICHLORORPHENOXYBUTYRIC ACID	NG/L	200.	18000.	(B3)
2,4-D PROPIONIC ACID	NG/L	100.	N/A	(23)
DICAMBA	NG/L	100.	120000.	(B1)
PICLORAM	NG/L	100.	190000.	(B3)
SILVEX (2,4,5-TP)	NG/L	50.	10000.	(A1)
DIAZINON	NG/L	20.	20000.	(B1)
DICHLOROVOS	NG/L	20.	N/A	(3=)
DURSBAN	NG/L	20.	N/A	
ETHION	NG/L	20.	35000.	(G)
GUTHION (AZINPHOSMETHYL)	NG/L	N/A	20000.	(B1)
MALATHION	NG/L	20.	190000.	(B1)
MEVINPHOS	NG/L	20.	N/A	(32)
METHYL PARATHION	NG/L	50.	7000.	(A1)
METHYLTRITHION	NG/L	20.	N/A	(/

	DETECTION				
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE	
22 23 WILLOW	NG/L	20.	50000.	(B1)	
PARATHION	,			, ,	
PHORATE (THIMET)	NG/L	20.	2000.	(B3)	
RELDAN	NG/L	20.	N/A		
RONNEL	NG/L	20.	N/A		
AMINOCARB	NG/L	N/A	N/A		
BENONYL	NG/L	N/A	N/A		
BUX (METALKAMATE)	NG/L	2000.	N/A		
CARBOFURAN	NG/L	2000.	90000.	(B1)	
CICP (CHLORPROPHAM)	NG/L	2000.	350000.	(G)	
DIALLATE	NG/L	2000.	30000.	(H)	
EPTAM	NG/L	2000.	N/A		
IPC	NG/L	2000.	N/A		
PROPOXUR (BAYGON)	NG/L	2000.	90000.	(G)	
SEVIN (CARBARYL)	NG/L	200.	90000.	(B1)	
SUTAN (BUTYLATE)	NG/L	2000.	245000.	(D3)	

VOLATILES

BENZENE	UG/L	.050	5.0	(B1)
TOLUENE	UG/L	.050	24.0	(B4)
ETHYLBENZENE	UG/L	.050	2.4	(B4)
PARA-XYLENE	UG/L	.100	300.	(B4)
META-XYLENE	UG/L	.100	300.	(B4)
ORTHO-XYLENE	UG/L	.050	300.	(B4)
1,1-DICHLOROETHYLENE	UG/L	.100	7.0	(D1)
ETHLYENE DIBROMIDE	UG/L	.05	.05	G)
METHYLENE CHLORIDE	UG/L	.500	50.	(B1)
TRANS-1,2-DICHLOROETHYLENE	UG/L	.100	70.	(D5)
1,1-DICHLOROETHANE	UG/L	.100	N/A	
CHLOROFORM	UG/L	.100	350.	(A1+)
1,1,1-TRICHLOROETHANE	UG/L	.020	200.	(D1)
1,2-DICHLOROETHANE	UG/L	.050	5.0	(D1)
CARBON TETRACHLORIDE	UG/L	.200	5.0	(B1)
1,2-DICHLOROPROPANE	UG/L	.050	6.0	(D5)
TRICHLOROETHYLENE	UG/L	.100	50.	(B1)
DICHLOROBROMOMETHANE	UG/L	.050	350.	(A1+)
1,1,2-TRICHLOROETHANE	UG/L	.050	.60	D(D4)
CHLORODIBROMOMETHANE	UG/L	.100	350.	(A1+)
TETRACHLOROETHYLENE	UG/L	.050	10.0	(C2)
BROMOFORM	UG/L	.200	350.	(A1+)
1,1,2,2-TETRACHLOROETHANE	UG/L	.050		7(D4)
CHLOROBENZENE	UG/L	.100	60.	(D5)
1,4-DICHLOROBENZENE	UG/L	.100	1.0	(B4)
1,3-DICHLOROBENZENE	UG/L	.100	130.	(G)
1,2-DICHLOROBENZENE	UG/L	.050	3.0	(B4)
TRIFLUOROCHLOROTOLUENE	UG/L	.100	N/A	
TOTAL TRIHALOMETHANES	UG/L	.500	350.	(A1)
STYRENE	UG/L	.05	140.	(D5)

Table 6

	I	ETECTIO	
SCAN/PARAMETER	UNIT	LIMIT	GUIDELINE
BACTERIOLOGICAL			
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0 (A1)
STANDARD PLATE COUNT MEMBRANE	CT/ML	0	500/ML(A1)
FILTRATION	00/112		,,
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	5/100mL(A1)
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A
	V1/10011		***/
CHLOROAROMATICS			
HEXACHLOROBUTADIENE	NG/L	1 000	450. (D4)
1,2,3-TRICHLOROBENZENE	NG/L		10000 (I)
1,2,3,4-TETRACHLOROBENZENE	NG/L		10000 (I)
1,2,3,4-TETRACHLOROBENZENE	NG/L		10000 (1)
* * *	NG/L		10000 (I)
1,2,4-TRICHLOROBENZENE	NG/L		
1,2,4,5-TETRACHLOROBENZENE	•		
1,3,5-TRICHLOROBENZENE	NG/L		10000 (D4)
HEXACHLOROBENZENE	NG/L	1.0	10. (C1)
HEXACHLOROETHANE	NG/L		1900. (D4)
OCTACHLOROSTYRENE	NG/L	1.000	
PENTACHLOROBENZENE	NG/L		74000 (D4)
2,3,6-TRICHLOROTOLUENE	NG/L	5.000	
2,4,5-TRICHLOROTOLUENE	NG/L	5.000	•
2,6,A-TRICHLOROTOLUENE	NG/L	5.000	N/A
CHLOROPHENOLS			
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A
2,4,5-TRICHLOROPHENOL	NG/L		600000 (D4)
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000. (B4)
PENTACHLOROPHENOL	NG/L		30000. (B4)
I BATACIDO AO I IBAO I	110/2	30.	200001 (21)
CHEMISTRY (FLD)			
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A
FIELD FREE CHLORINE RESIDUAL	MG/L	N/A	N/A
FIELD TOTAL CHLORINE RESIDUAL	MG/L	N/A	N/A
FIELD PH	DMSNLESS		6.5-8.5(A4)
FIELD TEMPERATURE	°C	N/A	<15 °C(A1)
FIELD TURBIDITY	FTU	N/A	1.0 (A1)
		,	,
CHEMISTRY (LAB)			
ALKALINITY	MG/L	.200	30-500(A4)
CALCIUM	MG/L	.100	100. (F2)
CYANIDE	MG/L	.001	.20(A1)
CHLORIDE	MG/L	.200	250. (A3)
COLOUR	TCU	. 5	5.0 (A3)
CONDUCTIVITY	UMHO/CM	1.	400. (F2)
FLUORIDE	MG/L	.01	2.4 (A1)
HARDNESS	MG/L	.50	80-100(A4)
MAGNESIUM	MG/L	.05	30. (F2)

DETECTION

	D.	ETECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
NITRITE	MG/L	.001	1.0	(A1)
TOTAL NITRATES	MG/L	.02	10.	
NITROGEN TOTAL KJELDAHL	MG/L	.02	N/A	(/
PH	DMSNLESS		6.5-8.5	5 (A 4)
PHOSPHORUS FIL REACT	MG/L	.000		, (,
PHOSPHORUS TOTAL	MG/L	.002)(F2)
SULPHATE	MG/L	.200		
	MG/L	1.	500.	
TOTAL SOLIDS	FTU			
TURBIDITY	FIU	.02	1.0	(A1)
METALS				
	/-	0.50		
ALUMINUM	UG/L	.050		(A4)
ANTIMONY	UG/L	.050		(F3)
ARSENIC	UG/L	.050		(A1)
BARIUM	UG/L		1000.	(A1)
BORON	UG/L	.200	5000.	(A1)
BERYLLIUM	UG/L	.010		(H)
CADMIUM	UG/L	.050	5.0	(A1)
COBALT	UG/L	.020	1000.	(H)
CHROMIUM	UG/L	.100	50.	(A1)
COPPER	UG/L	.100	1000.	(A3)
IRON	UG/L	5.0	300.	(A3)
MERCURY	UG/L	.01	1.0	(A1)
MANGANESE	UG/L	.050	50.	(A3)
MOLYBDENUM	UG/L	.020	500.	(H)
NICKEL	UG/L	.100	50.	(F3)
LEAD	UG/L	.020	50.	(A1)
SELENIUM	UG/L	.200		(A1)
SILVER	UG/L	.020		(A1)
STRONTIUM	UG/L		2000.	(H)
THALLIUM	UG/L	.010		(D4)
TITANIUM	UG/L	.100		(54)
URANIUM	UG/L	.020	20.	(A2)
VANADIUM	UG/L	.020		(H)
ZINC			5000.	
ZINC	UG/L	.020	3000.	(A3)
PHENOLICS				
PHENOLICS (UNFILTERED REACTIVE)	UG/L	. 2	2.0	(A3)
PESTICIDES & PCB				
ALDDIN	NG /7	1.0	700	(31)
ALDRIN	NG/L	1.0	700.	(A1)
AMETRINE	NG/L		00000.	(D3)
ATRAZINE	NG/L		60000.	(B3)
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	700.	(G)
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	300.	(G)
GAMMA HEXACHLOROCYCLOHEXANE(LINDANE)		1.0	4000.	(A1)
ALPHA CHLORDANE	NG/L	2.0	7000.	(A1)
GAMMA CHLORDANE	NG/L	2.0	7000.	(A1)
BLADEX	NG/L	100.	10000.	(B3)
DIELDRIN	NG/L	2.0	700.	(A1)
METHOXYCHLOR	NG/L	5.0 9	00000.	(B1)
ENDOSULFAN 1 (THIODAN I)	NG/L	2.0	74000.	(D4)
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0	74000.	(D4)
ENDRIN	NG/L	4.0	200.	(A1)
ENDOSULFAN SULPHATE (THIODAN SULPHATE) NG/L	4.0	N/A	

	D.W.	TECTION		
			GUYDE	TANT
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
HEPTACHLOR EPOXIDE	NG/L	1.0	3000.	(A1)
HEPTACHLOR	NG/L	1.0		(A1)
METOLACHLOR	NG/L	500.	50000.	(B3)
	NG/L	5.0	N/A	(20)
MIREX	•			
OXYCHLORDANE	NG/L	2.0	N/A	
O,P-DDT	NG/L	5.0	30000.	(A1)
PCB	NG/L	20.0	3000.	(A2)
O,P-DDD	NG/L	5.0	N/A	
PPDDE	NG/L	1.0	30000.	(A1)
PPDDT	NG/L	5.0	30000.	(A1)
ATRATONE	NG/L	50.	N/A	
ALACHLOR	NG/L	500.	35000.	(D2)
PROMETONE	NG/L	50.	52500.	(D3)
PROPAZINE	NG/L	50.	16000.	(D2)
PROMETRYNE	NG/L	50.	1000.	(B3)
SENCOR (METRIBUZIN)	NG/L	100.	80000.	(B2)
SIMAZINE	NG/L	50.	10000.	(B3)

POLYAROMATIC HYDROCARBONS

PHENANTHRENE	NG/L	10.0	N/A	
ANTHRACENE	NG/L	1.0	N/A	
FLUORANTHENE	NG/L	20.0	42000.	(D4)
PYRENE	NG/L	20.0	N/A	
BENZO(A)ANTHRACENE	NG/L	20.0	N/A	
CHRYSENE	NG/L	50.0	N/A	
DIMETHYL BENZO(A) ANTHRACENE	NG/L	5.0	N/A	
BENZO(E)PYRENE	NG/L	50.0	N/A	
BENZO (B) FLUORANTHENE	NG/L	10.0	N/A	
PERYLENE	NG/L	10.0	N/A	
BENZO (K) FLUORANTHENE	NG/L	1.0	N/A	
BENZO(A) PYRENE	NG/L	5.0	10.	(B1)
BENZO(G,H,I)PERYLENE	NG/L	20.0	N/A	
DIBENZO(A, H) ANTHRACENE	NG/L	10.0	N/A	
INDENO(1,2,3-C,D)PYRENE	NG/L	20.0	N/A	
BENZO(B) CHRYSENE	NG/L	2.0	N/A	
CORONENE	NG/L	10.0	N/A	

SPECIFIC PESTICIDES

TOXAPHENE	NG/L	N/A	5000.	(A1)
2,4,5-TRICHLOROBUTYRIC ACID	NG/L	50.	200000.	(B4)
(2,4,5-T)				
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000.	(A1)
2,4-DICHLORORPHENOXYBUTYRIC ACID	NG/L	200.	18000.	(B3)
2,4-D PROPIONIC ACID	NG/L	100.	N/A	
DICAMBA	NG/L	100.	120000.	(B1)
PICLORAM	NG/L	100.	190000.	(B3)
SILVEX (2,4,5-TP)	NG/L	50.	10000.	(A1)
DIAZINON	NG/L	20.	20000.	(B1)
DICHLOROVOS	NG/L	20.	N/A	
DURSEAN	NG/L	20.	N/A	
ETHION	NG/L	20.	35000.	(G)
GUTHION (AZINPHOSMETHYL)	NG/L	N/A	20000.	(B1)
MALATHION	NG/L	20.	190000.	(B1)
MEVINPHOS	NG/L	20.	N/A	
METHYL PARATHION	NG/L	50.	7000.	(A1)
METHYLTRITHION	NG/L	20.	N/A	

DETECTION

		DETECTION			
SCAN/PARAMETER	ß	UNIT	LIMIT	GUIDE	LINE
PARATHION		NG/L	20.	50000.	(B1)
PHORATE (THIMET)		NG/L	20.	2000.	(B3)
RELDAN		NG/L	20.	N/A	
RONNEL		NG/L	20.	N/A	
AMINOCARB		NG/L	N/A	N/A	
BENONYL		NG/L	N/A	N/A	
BUX (METALKAMATE)		NG/L	2000.	N/A	
CARBOFURAN		NG/L	2000.	90000.	(B1)
CICP (CHLORPROPHAM))	NG/L	2000.	350000.	(G)
DIALLATE		NG/L	2000.	30000.	(H)
EPTAM		NG/L	2000.	N/A	` '
IPC		NG/L	2000.	N/A	
PROPOXUR (BAYGON)		NG/L	2000.	90000.	(G)
SEVIN (CARBARYL)		NG/L	200.	90000.	(B1)
SUTAN (BUTYLATE)		NG/L	2000.	245000.	(D3)
VOLATILES					
D DAY & DAY &		770 /7	0.5		(51)
BENZENE		UG/L	.05		(B1)
TOLUENE		UG/L	.05		(B4)
ETHYLBENZENE		UG/L	.05		(B4)
PARA-XYLENE		UG/L		0 300.	(B4)
META-XYLENE		UG/L		0 300.	(B4)
ORTHO-XYLENE	TP.	UG/L	.05		(B4)
1,1-DICHLOROETHYLEN ETHLYENE DIBROMIDE	IE.	UG/L			(D1)
METHYLENE CHLORIDE		UG/L	.05		5 G)
TRANS-1,2-DICHLOROE	OMULT DATE	UG/L	.50		
1,1-DICHLOROETHANE	INILENE	UG/L	.10		(D5)
CHLOROFORM		UG/L	.10	,	(33.1
1,1,1-TRICHLOROETHA	ATE	UG/L	.10		
1,2-DICHLOROETHANE	INE	UG/L	.02		(D1)
CARBON TETRACHLORID	N. E.	UG/L	.05		(D1)
1,2-DICHLOROPROPANE		UG/L	.20		(B1)
TRICHLOROETHYLENE	,	UG/L	.05		(D5)
DICHLOROBROMOMETHAN	TP.	UG/L		50.	(B1)
1,1,2-TRICHLOROETHA		UG/L	.05		(A1+)
CHLORODIBROMOMETHAN		UG/L	.05		O(D4)
TETRACHLOROETHYLENE		UG/L	.10		(A1+)
BROMOFORM		UG/L	.05		(C2)
1,1,2,2-TETRACHLORO	PTURNE	UG/L	.20		(A1+)
CHLOROBENZENE	LIDANE	UG/L	.05		7(D4)
1,4-DICHLOROBENZENE		UG/L	.10		(D5)
		UG/L	.10		(B4)
1,3-DICHLOROBENZENE		UG/L	.10		(G)
					(84)
TOTAL TRIBALOUPHURN		UG/L	. 10	J N/A	
1,2-DICHLOROBENZENE TRIFLUOROCHLOROTOLU	ENE	UG/L UG/L	.05	3.0	

UG/L

UG/L

.500 350. (A1)

.05 140. (D5)

TOTAL TRIHALOMETHANES

STYRENE



